

19991103.qrp v01_n628.qrl.991103

Date: Wed, 3 Nov 1999 19:03:06 EST

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1628

QRP-L Digest 1628

Topics covered in this issue include:

- 1) [55004] Re: 2N3553 Sub?
by "John J. McDonough" <jjmcd@tm.net>
- 2) [55005] RE: 1V Challenge
by "Kevin Muenzler WB5RUE" <wb5rue@stic.net>
- 3) [55006] Re: Sweepstakes Software
by Larry Cahoon <wd3p@juno.com>
- 4) [55007] Re: QRP-L, QRP-F
by Wa3ptg@aol.com
- 5) [55008] Re: 2N3553 Sub?
by "Ed Hare, W1RFI" <w1rfi@arrl.net>
- 6) [55009] Re: 1V Challenge
by dave_epps@juno.com
- 7) [55010] Re: ANT: 1/4 wavelength Marconi feeder
by Charles Greene <cgreene@loa.com>
- 8) [55011] re: Wanted 49er board [a la FAR Circuits]
by "George Heron" <n2apb@erols.com>
- 9) [55012] Any QRPers in Redding, Ca?
by Jeff <fantbb@yahoo.com>
- 10) [55013] Re: 2N3553 Sub?
by Pete Burbank <plburbank@kih.net>
- 11) [55014] TWO N/T+ FOXes tonight :-)
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 12) [55015] Trouble Posting to QRP-L?
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 13) [55016] ELMER300: 2N2/15 Design Lightoff
by "Jim Kortge, K8IQY" <jokortge@prodigy.net>
- 14) [55017] Contest
by "Ron Polityka" <wb3aal@talon.net>
- 15) [55018] ANTS: G5RV/K5KVH hor. feed
by "rohre" <rohre@arlut.utexas.edu>
- 16) [55019] Re: Contest
by "Ron Polityka" <wb3aal@talon.net>
- 17) [55020] Re: 1V Challenge
by David Hinerman <dlh1009@ritvax.isc.rit.edu>
- 18) [55021] RE: CONTESTS: SS next weekend
by "Chuck Adams K7Q0" <k7qo@primenet.com>
- 19) [55022] N/T+ Foxhunt Advance Warning!

- by "Matthew Balvanz" <kc0ayg@hotmail.com>
- 20) [55023] 1-V challenge thoughts
by Wayne Burdick <n6kr@elecraft.com>
- 21) [55024] LIST (was Re: ADMIN)
by Clay N4AOX <wyn@worldnet.att.net>
- 22) [55025] mfj 9030 help
by K4NK@aol.com
- 23) [55026] Re: Sweepstakes Software
by Larry Cahoon <wd3p@juno.com>
- 24) [55027] 1 volt challenge
by Pete Burbank <plburbank@kih.net>
- 25) [55028] Free Sweepstakes Logging Software
by "Bob Helms" <af5z@inetport.com>
- 26) [55029] Re: CONTESTS: SS next weekend
by "Ed Hare, W1RFI" <w1rfi@arrl.net>
- 27) [55030] Re: SS and Novice/TechPlus Bands
by kf2ew@juno.com
- 28) [55031] He's ON!--N/T+ Gerry K1RL0 7.140+
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 29) [55032] Don't want to build a K2? Ten Tec F S
by Goemans <jgoemans@facstaff.wisc.edu>
- 30) [55033] FOX: N/T+ Gerry K1RL0 7.140+
by Monte Stark <ku7y@dri.edu>
- 31) [55034] FOX: Gerry, K1LR0, FB into C0
by "John A. Evans - N0HJ" <jaeans@codenet.net>
- 32) [55035] Zombies & Black Cats
by Richard Arland <k7sz@epix.net>
- 33) [55036] RE:QRP-L vs QRP-F
by "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
- 34) [55037] Re: CONTESTS: SS next weekend
by N7YA@aol.com
- 35) [55038] what an experience.....
by GE1am30092@aol.com
- 36) [55039] Re: CONTESTS: SS next weekend
by N7YA@aol.com
- 37) [55040] Re: ADMIN
by "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
- 38) [55041] R1AND Antartica on 17M
by Jim Hale <kj5tf@yahoo.com>
- 39) [55042] Re: what an experience.....
by Monte Stark <ku7y@dri.edu>
- 40) [55043] ADMIN: QRP-L topic list
by lujce@Lehigh.EDU
- 41) [55044] YEP--Jim K6JMB N/T+ on 7.110.82
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 42) [55045] FS: Ten Tec Model 218 Narrow SSB Filter **Reduced**
by "Tim Cook" <timcook@erinet.com>
- 43) [55046] SS Prec fix for CT-9

- by "al dawkins" <alk0frp@earthlink.net>
- 44) [55047] Re: what an experience.....
by Bob Nielsen <nielsen@primenet.com>
- 45) [55048] CONTEST: Re: SS Prec fix for CT-9
by Hank Kohl K8DD <k8dd@arrl.net>
- 46) [55049] Re: Sweepstakes Software
by Bob Patten <n4bp@bc.seflin.org>
- 47) [55050] Re: ADMIN
by "Jerry Scherkenbach" <jerrys@execpc.com>
- 48) [55051] FOX NT+ Log for Nov 2, 1999 -- K6JMB
by "jmb" <jmb@cruzio.com>
- 49) [55052] K6JMB - The Fox
by David Kidd <ka7ozo@pacifier.com>
- 50) [55053] Re: ADMIN
by Pete Burbank <plburbank@kih.net>
- 51) [55054] Review of "Low Power Communications"
by "George Heron" <n2apb@erols.com>
- 52) [55055] free sweepstakes software
by "Thom Durfee" <wi8w@arrl.net>
- 53) [55056] 28 MHz xtal osc. using 2N2222A and 1-V supply
by Wayne Burdick <n6kr@elecraft.com>
- 54) [55057] A 1-Volt regulator for low-voltage circuit development
by Wayne Burdick <n6kr@elecraft.com>
- 55) [55058] FS:Heathkit HW-99 and speaker
by Jim <w7ls@blarg.net>
- 56) [55059] RE: ELMER300: 2N2/15 Design Lightoff
by "Sly (9M8SL)" <cqsly@tm.net.my>
- 57) [55060] Re: SS and Novice/TechPlus Bands
by "Francis Callahan" <colcal@srv.net>
- 58) [55061] RE: 1V Challenge
by Karl Kanalz <KKanalz@excel.com>
- 59) [55062] Re: A 1-Volt regulator for low-voltage circuit development
by David Hinerman <dlh1009@ritvax.isc.rit.edu>
- 60) [55063] Heil headset is spoken for
by "Jess Gypin" <jessqrp@earthlink.net>
- 61) [55064] RCVR:
by "wayne reed" <wlreed@custom.net>
- 62) [55065] Re: SS Prec fix for CT-9
by "Brian J Keegan" <brimail@home.com>
- 63) [55066] HEATH HM-9 INFO WANTED
by "Fitton, James M (Jim)" <jffitton@lucent.com>
- 64) [55067] Re: RCVR:
by Bruce Kizerian <kizerian@ced.utah.edu>
- 65) [55068] QRP-L Web Page down?
by Roger Hightower <n7kt@earthlink.net>
- 66) [55069] TNX! RE: 2N3553 Sub
by ka7you@juno.com
- 67) [55070] The Upcoming November Meeting

by Jerry Parker <jparker@fix.net>
68) [55071] Re: Kits:Wanted 49er board
by crc <crc@io.com>
69) [55072] 1V: A reference article
by Torell Kent-P12255 <Kent_Torell-P12255@email.mot.com>
70) [55073] SITE FOR NEW QRPers
by ARDUJENSKI@aol.com
71) [55074] HELP: Re: 2N3553 Sub?
by "Franco, Nicholas J" <franco@bnl.gov>
72) [55075] Re: ELMER300: 2N2/15 Design Lightoff
by Gary L Surrency <gsurrency@juno.com>
73) [55076] CLUB: NOVA-QRP Meeting on November 13
by Wb4jjj@aol.com
74) [55077] AR QRP 40m Net Tonight - 0130Z
by Robsparks@aol.com
75) [55078] HELP-Sencore SC-61
by James Owen <james.owen@nist.gov>
76) [55079] CONTEST: SS: rules question
by Mike Gipe <mgipe@reliablemeters.com>
77) [55080] Re: CONTEST: SS: rules question
by Monte Stark <ku7y@dri.edu>
78) [55081] Note to KD7CVA Stan
by Bob Hightower <ki7mn@extremezone.com>
79) [55082] RE: CONTEST: SS: rules question
by Mike Gipe <mgipe@reliablemeters.com>
80) [55083] Re: 1-V challenge thoughts
by "Steven Weber" <kd1jv@moose.ncia.net>
81) [55084] Re: 1-V challenge thoughts
by n2cx@voicenet.com
82) [55085] ANT: Fiberglass fishing poles
by "Richard E. Robinson" <rerobins@email.uncc.edu>
83) [55086] FW: XCVR: Atlas TX110/RX110
by "rohre" <rohre@arlut.utexas.edu>
84) [55087] Fox for 4 Nov UTC
by Pete Burbank <plburbank@kih.net>
85) [55088] Sinful
by "Dan W. Dooley" <dandooley@pipeline.com>
86) [55089] FOX: Hunt for fox WOMC tonight!
by "Jerry McCollom WOMC" <w0mc@hotmail.com>
87) [55090] NT+ Fox -- Now a 2nd-timer this Tuesday Nite PST -- K6JMB - November
5th 0030-0230Z (Thursday 11/4 Local)
by "jmb" <jmb@cruzio.com>
88) [55091] Re: Sinful
by Pete Burbank <plburbank@kih.net>
89) [55092] Re: Sinful
by "Richard E. Robinson" <rerobins@email.uncc.edu>
90) [55093] XCVR: RS HTX-10
by "Richard E. Robinson" <rerobins@email.uncc.edu>

- 91) [55094] Re: XCVR: RS HTX-10
by "Carl Zmola" <zmola@campbellsci.com>
- 92) [55095] RE: How could you forget...
by "ai2q" <ai2q@ispchannel.com>
- 93) [55096] REVIEW: N3FJP Public Domain Sweepstakes Logging Program
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
- 94) [55097] PS regulation question
by kreinbd@ccgate.dl.nec.com (David Kreinberg)
- 95) [55098] Tonite's Foxhunt
by w2xn@juno.com
- 96) [55099] ANT: G5RV problem solved
by "Dave Benham" <dodgeboy@mindspring.com>
- 97) [55100] Re: FOX: Hunt for fox W0MC tonight!
by Monte Stark <ku7y@dri.edu>
- 98) [55101] XCVR: HTX-10 pre-paid, mailed to house?
by "Dave Benham" <dodgeboy@mindspring.com>
- 99) [55102] wanted - tower followup
by M Goins <mgoins@usa.net>
- 100) [55103] RE: PS regulation question
by "Dan W. Dooley" <dandooley@pipeline.com>
- 101) [55104] Re: XCVR: HTX-10 pre-paid, mailed to house?
by Chris Cartwright Sr <ccart@phideaux.com>
- 102) [55105] ANT: Fiberglass fishing poles
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 103) [55106] Re: Tonite's Foxhunt
by k1vp@lawson-philpot.com
- 104) [55107] CW Keyer Mode
by "w2xn" <w2xn@netzero.net>
- 105) [55108] tonites fox
by Rich Wilkerson <richqrp@home.com>
- 106) [55109] RE: CW Keyer Mode
by "Mike D." <hrg@megsinet.net>
- 107) [55110] FOX: Final Log AB5UA
by Clifton W Sikes <ab5uacw@juno.com>
- 108) [55111] Re: XCVR: HTX-10 pre-paid, mailed to house?
by Gary Travis Roberts <byrdman@Homer.byrdman.net>
- 109) [55112] RE: FOX tonight
by N10DL@aol.com
- 110) [55113] FWIW: monovolter project "sidetone"
by Stanley A McIntosh <mcintos@basf-corp.com>
- 111) [55114] Re: XCVR: HTX-10 pre-paid, mailed to house?
by Bob Liesenfeld <wb0poq@visi.com>
- 112) [55115] NILS: Hey, I'm an action figure!
by Nils R Young <nilsbull@juno.com>

Date: Tue, 2 Nov 1999 19:08:26 -0500

From: "John J. McDonough" <jjmcd@tm.net>
To: <ka7you@juno.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [55004] Re: 2N3553 Sub?
Message-ID: <00a701bf258f\$8f148160\$010044c0@conor-mac-nessa>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

BG Micro has 'em for a buck a piece, and I have a couple in Radio Shack packages so they must have had them once, and I don't think it was so long ago.

72/73 de WB8RCR <http://www.qsl.net/wb8rcr/>
didileydadidah QRP-L #1446 Code Warriors #35

Date: Tue, 2 Nov 1999 18:11:29 -0600
From: "Kevin Muenzler WB5RUE" <wb5rue@stic.net>
To: <Wa3ptg@aol.com>, "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>
Subject: [55005] RE: 1V Challenge
Message-ID: <000001bf258f\$fa46fad0\$ef5d6f81@uthscsa.edu>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Yes it did but some say "that's too hard...."

Kevin, WB5RUE
I am Voltohm of Borg, resistance is E/I, power is EI, you will be attenuated!

> -----Original Message-----
> From: owner-qrp-l@Lehigh.EDU
> [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of
> Wa3ptg@aol.com
> Sent: Tuesday, November 02, 1999 5:54 PM
> To: Low Power Amateur Radio Discussion
> Subject: Re: 1V Challenge
>
>
> Didn't the challenge say no IC's??
>

> WA3PTG
> Harry (Hap) Hurst
> Wilmington DE
>

Date: Wed, 3 Nov 1999 00:12:48 +0000
From: Larry Cahoon <wd3p@juno.com>
To: ae4y@hotmail.com, qrp-1@Lehigh.EDU
Subject: [55006] Re: Sweepstakes Software
Message-ID: <19991103.001248.11086.0.wd3p@juno.com>

On Tue, 02 Nov 1999 17:08:17 EST "Kent, AE4Y" <ae4y@hotmail.com> writes:
>The freeware version of CT (version 6.2, I believe) is available many
>places
>on the web. You'll have to edit the Section database to add the

The ARRL added new prec for multi, schools and unlimited classes this year. This is in addition to the old classes QRP (Q), Low power (A) and High (B) power. The new codes do not work in the old versions of NA. I don't have CT to check, but you should make sure it works before the contest.

73 de Larry.....WD3P in MD

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Or get full, reliable Internet access from Juno Web!
Download your free software today: <http://dl.www.juno.com/dynoget/tagh>.

Date: Tue, 2 Nov 1999 19:19:26 EST
From: Wa3ptg@aol.com
To: qrp-1@lehigh.edu
Subject: [55007] Re: QRP-L, QRP-F
Message-ID: <0.46914cc0.2550d98e@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

How about that 1V Challenge??
a lot more interesting than list politics, isn't it!
Folks, lets just knock off the me-toos and in-defense-of-messages. Send 'em to whoever started the thread.

Whatever happened to summaries????

WA3PTG
Harry (Hap) Hurst
Wilmington DE

Date: Tue, 02 Nov 1999 19:17:42 -0500
From: "Ed Hare, W1RFI" <w1rfi@arrl.net>
To: qrp-l@lehigh.edu
Subject: [55008] Re: 2N3553 Sub?
Message-ID: <381F7F26.2F33@arrl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

ka7you@juno.com wrote:

> I'm considering helping build a 30M 2-transistor transmitter from the QRP
> Classics. Since it is a 15 year old design, is there a better final
> transistor to use than the 2N3553.

I bet that the 2N3053 would work fine, too. Radio Shack still sells them. Catalog # 276-2030. After the bewitching event at W1AW for the Tuna Tin 2 revival, I put one into one of the replicas as part of a mod series I hope to write. It worked just as well as the 2N2222 and with 27 V, I got about 1.5 W on 20 meters with it.

NPN Silicon
Vceo = 40 V
Ic = 0.7 A
Ft = 100 MHz
PD = 5 W

73,
Ed Hare, W1RFI

Date: Tue, 2 Nov 1999 08:44:15 -0800
From: dave_epps@juno.com
To: kd1jv@moose.ncia.net
Cc: qrp-l@Lehigh.EDU
Subject: [55009] Re: 1V Challenge
Message-ID: <19991102.162553.-114427.0.dave_epps@juno.com>

MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

The EPS-1 (The essential power supply kit) from Embedded Research converts 2-16 v. d.c. to 12 v. d.c. @ .5 amp. Maybe you could get it to work at 1 volt.

They are developing a 1 amp version.

I picked up the EPS-1 at pacificon and it works great.

dave ab5pc fresno, ca.

Get the Internet just the way you want it.
Free software, free e-mail, and free Internet access for a month!
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Date: Tue, 02 Nov 1999 19:18:52 -0500
From: Charles Greene <cgreene@loa.com>
To: rerobins@email.uncc.edu, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [55010] Re: ANT: 1/4 wavelength Marconi feeder
Message-ID: <4.1.19991102190311.00950600@mail.loa.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 02:30 PM 11/2/99 -0500, Richard E. Robinson wrote:

Here's an idea; I haven't tried it yet, but I intend to cut the length of the 1/4 to .28 wavelength. That will raise the impedance to around 50 ohms, but it will be out of tune and have a capacitive reactance. Use a single conductor counterpoise at the feed point, and cut it for about .22 wavelength. Hoist the .28 length to a tree for a vertical or inverted L. The inductive reactance of the short counterpoise will cancel out the capacitive reactance of the vertical. Tune by folding back a portion of the wire, for best SWR. Feed directly at the transmitter with no feed line or a short length of RG58 or RG8x.

Or, if you just want to feed a 36 ohm ant with parallel 75 ohm cables, use RG59.

73,

Chas W1CG

>I've been experimenting with a 13' collapsible whip that I have for use as

>a portable antenna. My current configuration is a 1/4 wavelength Marconi
>or inverted-L. Coming off the top of 13' section I have a 3 conductor
>ribbon cable 20' long for a 1/4 wave at 40, with the other 2 conductors cut
>for a 1/4 wave on 30 and 20. I use 2 St. Louis style radials made from 7
>conductor ribbon cable for 40 - 10 meters. Above 20 the whip is shortened
>for a 1/4 wavelength vertical.

>

>So far I've had good results but would like to improve them. I recently
>picked up a copy of "Practical Wire Antennas" by John Heys, G3BDQ. In it
>Heys states that the base feed impedance at resonance of a 1/4 wave length
>Marconi is around 36 ohms. He suggests feeding the antenna with parallel
>runs of 75 ohm coax.

>

>I've thought about using the mini-75 ohm coax similar to RG-174 but the
>price is staggering. The Belden mini-75 is over \$1.25 per foot. Does
>anyone have any lower cost suggestions or a cheaper/lighter weight
>alternative?

>

>Thanks and 72,

>

>Rick kf4ar

>

>

>

Date: Tue, 2 Nov 1999 20:37:24 -0500
From: "George Heron" <n2apb@erols.com>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [55011] re: Wanted 49er board [a la FAR Circuits]
Message-ID: <017701bf259c\$183c63c0\$c399accf@computer>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The 49er boards are still quite available (for \$4 +
shipping) from Fred at FAR Circuits.
<http://www.cl.ais.net/farcir/>

And BTW ... in case you DON'T know what we're talking about
here, FAR Circuits has been specializing in creating printed
circuit boards for the ham radio community for a whole bunch
of years. If there's a project you see in QST, or QEX, or
73, or QRP Quarterly, etc etc, chances are real good that
Fred has created the PCB for it and sells it for a very

modest price on his website.

You should see all the projects he has there! There are literally hundreds of project boards ... and he typically provides a copy of the original article with his boards so all you need to do is collect the parts and put it together.

Here's a listing of the project categories, just to give you and idea of what we're talking about ...

AUDIO FILTERS & AUDIO PROCESSORS
BATTERY CHARGERS, SOLAR CONTROLLERS & ACCESSORIES
CODE PRACTICE OSCILLATORS & ACCESSORIES
CONVERTERS & TRANSVERTERS
DIRECTION FINDING PROJECTS
DTMF ENCODERS, DECODERS, & CONTROLLERS
FREQUENCY STANDARDS & FREQUENCY MEASURING INSTRUMENTS
KEYERS
MODEMS, COMPUTER/FAX/RADIO INTERFACES, SLOW SCAN, ATV
OSCILLATORS, VFO, BFO & FREQUENCY SYNTHESIZER PROJECTS
POWER SUPPLIES
RECEIVERS
RECEIVER PREAMPLIFIERS
REPEATER CONTROLLER & STATION ACCESSORIES
RF POWER AMPLIFIERS
TEST EQUIPMENT & GENERAL MEASURING INSTRUMENTS
TR-7 and HW-8 MODIFICATIONS
TRANSCEIVERS
TRANSMITTERS
VOICE, CW ID'ERS and CW ENCODERS & DECODERS
WATTMETER & SWR BRIDGES
MISCELLANEOUS PROJECTS

What a fantastic resource we have here on the Internet!

72, George N2APB
n2apb@amsat.org

PS: And be sure to notice the request on the main page for prior orderers of the FAR Circuits pcbs ... Fred is asking for feedback on the products and services he provides, in order to improve his operation, as well as to potentially use as reference quotes in his advertising. All users of FAR Circuits should be sure to let Fred (the owner) know how much we appreciate his service the the QRP community.

>-----Original Message-----

> Would anybody in the group know where I might find an
unused,
> unpopulated Norcal 49er PC board??? I've been reviewing
the design and
> want to play with it a bit.

Date: Tue, 2 Nov 1999 16:42:45 -0800 (PST)
From: Jeff <fantbb@yahoo.com>
To: qrp qrp <qrp-l@lehigh.edu>
Subject: [55012] Any QRPers in Redding, Ca?
Message-ID: <19991103004245.18709.rocketmail@web119.yahoomail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Just wondering if there are any fellow QRPers in
Redding or nearby? Be fun to do the SS together
or just to ragchew abit!

72!

Jeff

Norcal QRP Net Sunday 7045 6pm PST, Monday 0200

=====
Jeff Jones
AB6MB
NorCal QRP Club #65, QRP-L #1780, ARCI 10071
Radical FIST Member 6798
Ghost Hunter
Owner of the Delta MudCats fantasy baseball team
Voicemail/Fax 1-888-Excite2 ext 925-439-2514

Do You Yahoo!?
Bid and sell for free at <http://auctions.yahoo.com>

Date: Tue, 02 Nov 1999 19:41:35 -0500
From: Pete Burbank <plburbank@kih.net>
To: <qrp-l@Lehigh.EDU>
Subject: [55013] Re: 2N3553 Sub?
Message-ID: <3.0.32.19991102194132.007197d8@kih.net>
Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

At 07:17 PM 11/2/99 -0500, you wrote:

>ka7you@juno.com wrote:

>

>> I'm considering helping build a 30M 2-transistor transmitter from the QRP
>> Classics. Since it is a 15 year old design, is there a better final
>> transistor to use than the 2N3553.

>

>I bet that the 2N3053 would work fine, too. Radio Shack still sells
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>Tuna Tin 2 revival, I put one into one of the replicas as part of a mod
>series I hope to write. It worked just as well as the 2N2222 and with
>27 V, I got about 1.5 W on 20 meters with it.

>

>NPN Silicon

>Vceo = 40 V

>Ic = 0.7 A

>Ft = 100 MHz

>PD = 5 W

>

>73,

>Ed Hare, W1RFI

Ed and gang,

The 2N3053 is very well behaved IMHO. It was followed by a small
tab mount version called a 40392 good for 7 watts because of the
heat sinking.

73 Pete NV4V

Date: Tue, 2 Nov 1999 19:46:20 -0500

From: "Wilford D. Lindsey" <70511.3041@compuserve.com>

To: QRP-L Discussion Group <QRP-L@Lehigh.edu>

Cc: "W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>

Subject: [55014] TWO N/T+ FOXes tonight :-)

Message-ID: <199911021947_MC2-8B64-122E@compuserve.com>

MIME-Version: 1.0

Content-Transfer-Encoding: 7bit

Content-Type: text/plain;

charset=us-ascii

Content-Disposition: inline

Gang:

Tonight is the first evening for our N/T+ FOX hunt. And believe it or not,
there will be TWO of the furry critters:

Gerry Elam K1LR0/7 0130-0330, +/- 7.140

Jim Boyle K6JMB 040-0600, 7.110

Let's all go hunt these new guys. Need to give 'em some business. Believe me, there is nothing worse than calling CQ to an empty band/frequency :-).

Please do everyone a favour and QRS automatically for these ops. They have good CW, but may feel uncomfortable if the hunters are simply too fast for them. I will probably set my keyer for 12 wpm or so.

Thanks in advance for "elmering" these FB ops by hunting them.

72,

--Doc Lindsey/K0EVZ

DSBF

PO BOX 6028

Bismarck, ND 58506

K0EVZ@arrl.net

Date: Tue, 2 Nov 1999 19:46:19 -0500

From: "Wilford D. Lindsey" <70511.3041@compuserve.com>

To: QRP-L Discussion Group <QRP-L@Lehigh.edu>

Cc: "W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>

Subject: [55015] Trouble Posting to QRP-L?

Message-ID: <199911021947_MC2-8B64-122D@compuserve.com>

MIME-Version: 1.0

Content-Transfer-Encoding: 7bit

Content-Type: text/plain;

charset=us-ascii

Content-Disposition: inline

Gang:

All day have been attempting to post FOX and N/T+ info to QRP-F. But every time I hit the "Post Message" button, I get the "Internal Server Error", etc. YaDa YaDa.

Anyone else experiencing this problem? Anyone know what might be wrong. Have posted several times before (though not today), but no joy today.

72,

--Doc Lindsey/K0EVZ

DSBF

PO BOX 6028

Bismarck, ND 58506
K0EVZ@arrl.net

Date: Tue, 02 Nov 1999 19:54:39 -0500
From: "Jim Kortge, K8IQY" <jokortge@prodigy.net>
To: qrp-1@lehigh.edu
Subject: [55016] ELMER300: 2N2/15 Design Lightoff
Message-ID: <3.0.1.32.19991102195439.0077c288@pop.prodigy.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Greetings all,

I may regret terribly this post, as it will commit me to a rather long term project. However, as you'll see, I've decided to design a new rig, which will be called the 2N2/15. It will be a 15 meter, CW only rig, using as many of the venerable 2N2222 transistors that is reasonable to use. The rig will cover 200 KHz of the band, and have decent specifications. All of the specifications have not been worked out, and indeed, may evolve as the design takes shape.

The reason for doing the project is the wonderful feedback I've received from hams in other parts of the world, who have enjoyed the simplicity, and ease of construction of the 2N2/40, but would like a rig to operate the higher frequencies. Now that the sunspots have really lit up the ionosphere, it is time to attempt to fill that need.

What is different this time, is that I've decided to put all of the information on my web page, as it is developed. To that end, I'll try to do a decent job explaining what is being done, why, and let everyone follow along as the decisions get made, and the design takes shape. With this project, you can follow the design of the rig from start to finish (hopefully), and build along if you like. There will be written material, block and schematic diagrams, SPICE models, construction pictures (oh yes, I'll be building it Manhattan style), and test data as each section comes to life.

The URL for all of this is: <http://www.qsl.net/k8iqy>

The beginnings of the project are already there, so go have a look. It won't win any prizes for beauty, but it ought to be educational and fun.

72 and kind regards to all.....Jim, K8IQY

PS.....The 1 volt challenge sounds like a hoot. Gotta figure out

how to get some time to participate in that one also.

Date: Tue, 2 Nov 1999 19:56:16 -0500
From: "Ron Polityka" <wb3aal@talon.net>
To: ". QRP-L" <qrp-l@Lehigh.EDU>
Subject: [55017] Contest
Message-ID: <013701bf2596\$3c1b2fc0\$79e508cf@wb3aal>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello,

I will keep this brief.

Does your club sponsor a contest?

If so, please send me what the contest is called and
when it will take place in the year 2000.

Thanks,
72 & 73
Good DXing

Ron Polityka
de WB3AAL
wb3aal@talon.net

vvv Eastern Pennsylvania QRP Web Page vvv
http://www.kpsnet.com/wb3aal/Start_Page.htm
Eastern Pennsylvania QRP Club Call --> N3EPA

EPA QRP #1	NJ QRP #179
KL7 QRP # 309	G-QRP # 3031
ARCI QRP # 5318	10 - X #13173
NorCal	Zombie #625
ARS # 380	HI-QRP #153
VA QRP Society	

SETI @ Home Project
<http://setiathome.ssl.berkeley.edu>

Date: 2 Nov 1999 18:57:25 -0500
From: "rohre" <rohre@arlut.utexas.edu>
To: qrp-l@lehigh.edu
Subject: [55018] ANTS: G5RV/K5KVH hor. feed
Message-ID: <n1270553411.29764@msmailgw1.arlut.utexas.edu>

Sri this is so late to the grp.
Been in hosp, then my auto broke finger!
But, several years ago I made a full size RV, and did not have the vertical spacing for the feed. Rereading the W6SAI CQ piece on RV, I noted he said the feed ladder line should come off at right angle, NOT necessarily VERTICAL, as horiz. can Be at right angle too! I used a center support, and guy, and brought the line off 40 ft. horiz., and it worked DX in an omni pattern juat fine with gud sig reports!!

Used NO tuner, and worst band was 15M with manageable 3:1 SWR.
This was the ZS6BKW dimensioned flat top to also cover WARC bands.
That is, 92 feet wire, fed with 40 ft 450 ladder, direct to RG8x 60 ft. coax to rig. This is subject of a paper in progress. copywrite rsvd.

72,
Stuart K5KVH
Austin TX

Date: Tue, 2 Nov 1999 20:03:32 -0500
From: "Ron Polityka" <wb3aal@talon.net>
To: ". QRP-L" <qrp-l@Lehigh.EDU>
Subject: [55019] Re: Contest
Message-ID: <014101bf2597\$40157260\$79e508cf@wb3aal>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello,

Ooops.

Does your club sponsor a QRP Contest or a contest that has a QRP category?

If so, please send me what the contest is called and when it will take place in the year 2000.

Thanks again,

72 & 73
Good DXing

Ron Polityka
de WB3AAL
wb3aal@talon.net

vvv Eastern Pennsylvania QRP Web Page vvv
http://www.kpsnet.com/wb3aal/Start_Page.htm
Eastern Pennsylvania QRP Club Call --> N3EPA

EPA QRP #1	NJ QRP #179
KL7 QRP # 309	G-QRP # 3031
ARCI QRP # 5318	10 - X #13173
NorCal	Zombie #625
ARS # 380	HI-QRP #153
VA QRP Society	

SETI @ Home Project
<http://setiathome.ssl.berkeley.edu>

Date: Tue, 02 Nov 1999 20:17:37 -0500
From: David Hinerman <dlh1009@ritvax.isc.rit.edu>
To: qrp-l <qrp-l@lehigh.edu>
Subject: [55020] Re: 1V Challenge
Message-ID: <381F8D31.3C922B73@rit.edu>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7BIT

Kevin Muenzler WB5RUE wrote:

> I am Voltohm of Borg, resistance is E/I, power is EI, you will be
> attenuated!

Kevin,

Do you know why they make zero-ohm resistors?

Because resistance is futile.

Dave

--
Dave Hinerman WD8CIV

Ontario, NY Grid FN13if
dlh1009@rit.edu

Date: Tue, 2 Nov 1999 18:24:46 -0600
From: "Chuck Adams K7Q0" <k7qo@primenet.com>
To: mcherry@calweb.com
Cc: qrp-1@lehigh.edu
Subject: [55021] RE: CONTESTS: SS next weekend
Message-ID: <199911030121.SAA15504@smtp02.primenet.com>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Mary es Ron,

No way that you guys and girls can beat me when a free meal
is involved. :-) You pay for the steaks and I'll pay for
the ice cream.

Got the RH40 built and did 7 hrs on the K2. Hit a snag with
a uP that was/seemed to be unprogrammed. Film at 11.

dit dit es cu during the test

950 Qs and a clean sweep.....

Chuck Adams K7Q0 K7Q0@hotmail.com <http://www.qsl.net/k7qo/>

Date: Tue, 2 Nov 1999 19:24:26 -0600
From: "Matthew Balvanz" <kc0ayg@hotmail.com>
To: <qrp-1@Lehigh.EDU>
Subject: [55022] N/T+ Foxhunt Advance Warning!
Message-ID: <19991103012500.2660.qmail@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Gang!

I'll be the N/T+ fox on 11-8-99 0100-0300Z. That's Sunday evening here in

the states. I know you'll be tired after running SS all weekend, but take a moment to chase after the fox! I'll post more info later this week, so keep your ears peeled!

And Thanks to Chris, KC0DBO for graciously letting me use his station for the hunts! We're adding on to my house and all my antennas are taken down. Thanks Chris!

73 all,
Matthew KC0AYG Ames, IA

Date: Tue, 2 Nov 1999 17:51:18 -0700
From: Wayne Burdick <n6kr@elecraft.com>
To: qrp-l@lehigh.edu
Subject: [55023] 1-V challenge thoughts
Message-ID: <v03102846b445344c7fcd@[206.169.225.14]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Germanium and other low-drop transistors would be fun, but you can use even 2N2222's at one volt. It only takes 0.65 V or so to turn on a garden-variety NPN or PNP transistor, and you can definitely make one amplify or oscillate at this voltage. There are also other low-voltage transistor families, including some zippy new ones used in multi-GHz portable phones, etc.

One place where low voltage has an advantage is in low-Z circuits. You can drive an 8-ohm speaker directly from an emitter follower with no coupling caps; you can DC-couple some gain stages; etc.

As for ICs. As I mentioned in my original write-up, I was hoping builders could avoid ICs in this design contest because ICs hide the implementation details of low-voltage biasing. I think everyone learned a lot about discrete transistor circuit design from the 2N2222 rigs that were presented, and that was the point. Here, we'll find out just what you *can* do with 1 volt (or less!).

Finally, I can't agree enough with the suggestion that youngsters get involved. But they can get just as "involved" at 1 volt as at 3 volts! This really *isn't* rocket science, just fun science.

Just to lay down the gauntlet, what I'm hoping we see at Dayton is a fully-functional transceiver that works down to a bit *less* than one volt, has 1-uV receive sensitivity, and puts out a watt on 80 meters or higher. Perhaps we should think of this as "QRPv".

0.73 ; -)
Wayne
N6KR

Date: Tue, 02 Nov 1999 20:46:03 -0500
From: Clay N4AOX <wyn@worldnet.att.net>
To: lujce@Lehigh.EDU
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [55024] LIST (was Re: ADMIN)
Message-ID: <381F93DB.5F95@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

lujce@Lehigh.EDU wrote:

>
> Gang,
>
> Discussion is open to anything QRP-related. Would it be too much trouble
> to ask that we use Chuck's list of subject topics, so those not interested
> in a topic could easily filter or delete it?
>
> Here's a new topic: LIST - suggestions/ideas/etc concerning operation
> and format of the list. I know there's many that would like to filter
> that topic. Don't worry, I won't.

>
Thanks Jim, Good idea.
In my opinion, if people would
just be so kind to limit their postings here to:

QQQ	RRRRRRR	PPPPPPP	
QQ QQ	RR RR	PP PP	
QQ QQ	RR RR	PP PP	
QQ QQ	RR RR	PPPPPP	
QQ QQ	RRRR	PP	
QQQ	RR RR	PP	
QQQ	RR RR	PP	,the other problems would go

away.

72/73,
Clay N4AOX

Date: Tue, 2 Nov 1999 20:52:40 EST
From: K4NK@aol.com
To: qrp-1@lehigh.edu
Subject: [55025] mfj 9030 help
Message-ID: <0.17958505.2550ef68@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Gang;

I just picked up a MFJ 9030 and put it on the air tonite. Worked a stn in minn for first QSO...great. I am getting some short wave broadcast break thru it is light and in the background but creates a whistleing sound all across the band. Any others have a simular problem ?.....cure? Thanks Les K4NK

Date: Wed, 3 Nov 1999 01:52:40 +0000
From: Larry Cahoon <wd3p@juno.com>
To: k8dd@arrl.net, qrp-1@Lehigh.EDU
Subject: [55026] Re: Sweepstakes Software
Message-ID: <19991103.015240.18894.0.wd3p@juno.com>

On Tue, 02 Nov 1999 18:54:32 -0500 Hank Kohl K8DD <k8dd@arrl.net> writes:

>Note feature during the contest, you could add a note indicating the
>proper Precedence (other than A B Q) and after the contest print the
>notes, convert the .bin file to .sdf, edit it, convert it back and
>write the logs.
>

This is much too much trouble when you are running off QSOs at 60 per hour.

Better just to get the current version. Unless they make a major change you can use the same version for years.

73 de Larry.....WD3P in MD

Get the Internet just the way you want it.
Free software, free e-mail, and free Internet access for a month!
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Date: Tue, 02 Nov 1999 20:59:23 -0500
From: Pete Burbank <plburbank@kih.net>

To: <qrp-1@Lehigh.EDU>
Subject: [55027] 1 volt challenge
Message-ID: <3.0.32.19991102205919.0072540c@kih.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Dear Gang,
FWIW, many of the early Germanium devices had passivation problems
and changed a lot in their first few years. So check before using.
73 Pete NV4V

Date: Tue, 2 Nov 1999 19:57:18 -0600
From: "Bob Helms" <af5z@inetport.com>
To: "QRP-L Reflector" <qrp-1@lehigh.edu>
Subject: [55028] Free Sweepstakes Logging Software
Message-ID: <199911030157.TAA19406@admin.inetport.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

The November Sweepstakes Logging Program, Version 2.5 by N3FJP is available free
from

<http://members.aol.com/snkdavis/page1.html>

It includes provisions for the new S, M, & U precedence and the Cabrillo file
format for electronic submissions.

72,
Bob Helms, AF5Z
af5z@inetport.com

Date: Tue, 02 Nov 1999 21:01:22 -0500
From: "Ed Hare, W1RFI" <w1rfi@arrl.net>
To: qrp-1@lehigh.edu
Subject: [55029] Re: CONTESTS: SS next weekend
Message-ID: <381F9772.37D1@arrl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Chuck Adams K7Q0 wrote:

> Mary es Ron,

> No way that you guys and girls can beat me when a free meal
> is involved. :-) You pay for the steaks and I'll pay for
> the ice cream.

Anyone want to take on my unofficial world record of points per watt?
54 contacts in 30 sections with 0.01 W. (Antenna was an 80 M dipole fed
with ladder line, one end at 15 feet, the other at 50 feet, with a big
brick building in the way to the west). Hey, I had a "4" hour -- four
contacts in a clock hour. :-)

:-)

Just one qualifier -- no single contact with picopowatts across the
room. My best DX was CT to AZ, so "real" entries only.

A lobster dinner at Tinker's Seafood here in West Hartford to the one
who beats that record. :-)

73,
Ed Hare, W1RFI

Date: Tue, 2 Nov 1999 21:05:10 -0500
From: kf2ew@juno.com
To: brimail@home.com
Cc: qrp-l@Lehigh.EDU
Subject: [55030] Re: SS and Novice/TechPlus Bands
Message-ID: <19991102.210750.-212199.0.kf2ew@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Brian, I second that. Ashley, KC2EEQ, (7 yrs. old) will be working SS,
starting at 4 pm. Hope to see you all there!

Mike, KF2EW

On Tue, 2 Nov 1999 06:12:45 -0500 "Brian J Keegan" <brimail@home.com>
writes:

> Hi Gang,
>
> If your in Sweepstakes this weekend and you find a lull in the
> action take a
> few minutes to tune thru the Novice/Tech bands and work some of the

> folks up
> there. Their QSOs are worth the same points and I'm sure they'll
> appreciate
> it.
>
> Brian KF2HC
> kf2hc@njdx.org
>
>
>
>

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Date: Tue, 2 Nov 1999 21:30:14 -0500
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: QRP-L Discussion Group <QRP-L@Lehigh.edu>
Cc: "W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>
Subject: [55031] He's ON!!--N/T+ Gerry K1RLO 7.140+
Message-ID: <199911022130_MC2-8B7D-12A1@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain;
 charset=us-ascii
Content-Disposition: inline

Gang:

Gerry is the first N/T+ FOX. He's on there right now, working 'em right and left. Just got him myself (YESSSSS), and right after me was Gary AB7MY. Gerry is doing a good job, with clean CW and excellent procedure. Makes me proud.

He will be on until 0330, so you have time. Thanks one and all for your outstanding support of our N/T+ FOXes.

Jim K6JMB will be on tonight 0400-0600, starting on 7.110. Late, but let's all try for him, too :-).

TIA es 72,
--Doc Lindsey/K0EVZ
DSBF
PO BOX 6028

Bismarck, ND 58506
K0EVZ@arrl.net

Date: Tue, 02 Nov 1999 20:48:15 -0600
From: Goemans <jgoemans@facstaff.wisc.edu>
To: qrp-1@lehigh.edu
Subject: [55032] Don't want to build a K2? Ten Tec F S
Message-ID: <3.0.2.32.19991102204815.006a9548@facstaff.wisc.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi all,

I am selling my beautiful Ten Tec Argosy II (525D), as used in my award-winning foxhunt (1995-6 champion) station. Condition like new on face, maybe a couple tiny scratches on cabinet. Comes with the model 217 (8-pole) cw filter, 223A NB, 224 audio filter, 700c hand microphone, matching 225 power supply, and a homebrew fused DC cord. You also get all manuals/instruction sheets, and the original full-color Sept 1983 QST ad! The only mod is that the meter lamp now switches off with the LED display. This is documented in my article in QRP Quarterly Apr 1993. Shipped to you for \$450/ in CONUS.

Still have my somewhat dull looking Vibroplex Brass Racer EK-1 for sale. Has TiCK-1 keyer inside instead of the Curtis 8044 board it came with. This is the triangular-shaped Brass Racer. The Brass Racer EK-1 is no longer available from Vibroplex. With manual and original (working) 8044 board, \$90/OBO shipped in CONUS.

You may contact me via Email direct, or CBA.

72, Paul

Paul Goemans WA9PWP
1508 Sundt Lane Stoughton, Wi 53589

Date: Tue, 2 Nov 1999 18:51:26 -0800 (PST)
From: Monte Stark <ku7y@dri.edu>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [55033] FOX: N/T+ Gerry K1RL0 7.140+
Message-ID: <Pine.GS0.4.10.9911021849560.22486-1000000@rotor.dri.edu>
MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

Just worked Gerry at about 0230z. A bit weak into NV
but made the QSO OK.

He is doing a good job.

cul,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@dri.edu....Washoe Lake, Nevada....NRA LIFE....

Date: Tue, 02 Nov 1999 20:11:32 -0700
From: "John A. Evans - N0HJ" <jaevans@codenet.net>
To: unlisted-recipients;; (no To-header on input)
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [55034] FOX: Gerry, K1LR0, FB into CO
Message-ID: <381FA7E3.1CE41DEE@codenet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gerry is fighting the Shortwave QRM and doing a great job with QSO's - hey,
this fox thing is fun again !!!!

72 - john - n0hj

Date: Wed, 03 Nov 1999 03:16:23 -0500
From: Richard Arland <k7sz@epix.net>
To: QRP List <qrp-1@lehigh.edu>
Subject: [55035] Zombies & Black Cats
Message-ID: <381FEF57.1AB7BE1E@epix.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang:

What a terrific time I had operating the Zombie Shuffle and the Black

Cat/Tuna Tin-2 event from W1AW last weekend.

Ed Hare, W1RFI, Mike Tracey, KC1SX, Joel W1QM and I had a blast using TT-2, including the ORIGINAL DeMaw TT-2, and the BIG antennas at the H.P.M. Memorial Station.

Highlight of the weekend was working Jim, AL7FS, with 300 mW on 20 meters with the beam pointed 90 degrees away from Alaska!

My thanks to all who participated and a special "Thank You" to Ed, Mike, Al, AA1GW, Rick, N1RL, Larry, WR1B and his wife Jean for making my weekend at League HQ a most memorable one. I'm already looking forward to next year at Halloween and the possibility of another gig at W1AW.

73 Rich K7SZ

Date: Tue, 02 Nov 1999 22:20:33 -0500
From: "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
To: "qrp-l@Lehigh.EDU" <qrp-l@Lehigh.EDU>
Subject: [55036] RE:QRP-L vs QRP-F
Message-ID: <381FAA01.BCCDB691@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I know you guys are trying to work out the bugs but right now I have to agree with Ron. If we're all honest with each other, some of the weirdness on QRP-l was half the fun of it all. Even the worst flame wars tended to be self limiting and as Chuck himself once pointed out, he only had to flat out bar a handful of people. In other words, the pot really didn't stink all that much so why did anybody want to go and stir it???

Don't get me wrong, I'll give support to QRP-f as best I can, (as I do with all efforts to promote QRP) it's just that its interface right now doesn't really get the job done for me.

>Ron Keener wrote:

>I am not one to voice my opinion often but this situation to put it
>bluntly

>

>REALLY SUCKS!!

--

+++++

T.J. "SKIP" AREY N2EI e-mail tjarey@home.com

Website <http://members.home.net/tjarey>

Snail Mail: PO Box 236, Beverly, NJ 08010

Specialization is for insects! LAZARUS LONG

Date: Tue, 2 Nov 1999 22:27:11 EST
From: N7YA@aol.com
To: qrp-l@lehigh.edu
Subject: [55037] Re: CONTESTS: SS next weekend
Message-ID: <0.20efc5b6.2551058f@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

In a message dated 11/2/99 5:24:52 PM Pacific Standard Time,
k7qo@primenet.com writes:

<< Mary es Ron,

No way that you guys and girls can beat me when a free meal
is involved. :-) You pay for the steaks and I'll pay for
the ice cream.

Got the RH40 built and did 7 hrs on the K2. Hit a snag with
a uP that was/seemed to be unprogrammed. Film at 11.

dit dit es cu during the test

950 Qs and a clean sweep.....

>>

Well...i hope you ALL win, it would sure be nice to meet the 3 of you here in
Vegas! when youre done doing battle, drop me a line and ill join you.

73...Adam, N7YA

Date: Tue, 2 Nov 1999 22:27:59 EST
From: GElam30092@aol.com
To: qrp-l@lehigh.edu
Subject: [55038] what an experience.....
Message-ID: <0.c09ff0ed.255105bf@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Content-Transfer-Encoding: 7bit

So, at the appointed hour (0130), I started calling CQ a little below 7.140. You would have thought that I had opened the gates for a pack of staving dogs the way they came after me. So, I did the most logical thing I knew to do.... froze solid hoping they wouldn't see me. When that didn't work, I decided to play the game and see if they were real or imaginary. They were real all right.

First of all, let me apologize. I got real nervous. It's tough for me to put myself in the limelight like this!

Heck, when Doc called me, I wanted to much to give him a simple hello but just couldn't get it out!

Here's what I *think* I recorded..... and if I missed you, I'll gladly check my notes which are pitiful! I know I goofed Gary Surrency's call and Doc corrected my mistake with his e-mail. My excuse? I realized that I was talking to a who's who's of QRP folks. Ed, Doc, Floyd from AZ, etc. And I got even *more* nervous!!!

time	call
0138	W6EW
0142	KI7MN
0145	W6SWE
0153	W7ILW
0159	W6SW
0206	NQ7X
0212	K0EVZ
0216	AB7MY
0224	KU7Y
0252	N0HJ

The noise level is coming up strong. It is 0327 so I think this fox will call it a night. This was an excellent experience and folks like you who are willing to help us N/T+'s makes it even better!

Thanks again. I will improve!

Gerry Elam, K1LR0/7

Date: Tue, 2 Nov 1999 22:29:10 EST
From: N7YA@aol.com
To: qrp-l@lehigh.edu
Subject: [55039] Re: CONTESTS: SS next weekend
Message-ID: <0.7a7de026.25510606@aol.com>

MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

In a message dated 11/2/99 6:05:19 PM Pacific Standard Time, w1rfi@arrl.net writes:

<< A lobster dinner at Tinker's Seafood here in West Hartford to the one who beats that record. :-)

>>

uh...I dont know about you guys, but *I* may go for that one myself!!

73...Adam, N7YA

Date: Tue, 02 Nov 1999 22:34:29 -0500
From: "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
To: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>
Subject: [55040] Re: ADMIN
Message-ID: <381FAD45.3F47F2D3@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I think the idea of voluntary adherance to the topics is sound in prinicipal and I will try to work with it. However, my way of thinking is tangental in nature. I'd like to think that that is one of the things that makes for a good QRPer. Don't be too surprised if I list a topic but end up somewhere else in my post. And that argues in favor of a wide open list structure anyway. There..see...I went and did it again.

--

+++++

T.J. "SKIP" AREY N2EI e-mail tjarey@home.com

Website <http://members.home.net/tjarey>

Snail Mail: PO Box 236, Beverly, NJ 08010

Specialization is for insects! LAZARUS LONG

Date: Tue, 2 Nov 1999 20:03:30 -0800 (PST)
From: Jim Hale <kj5tf@yahoo.com>
To: QRP-L <qrp-1@Lehigh.EDU>

Subject: [55041] R1AND Antartica on 17M
Message-ID: <19991103040330.6429.rocketmail@web701.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Got an interesting one tonight. R1AND is a Russian station in Antartica. I was trolling 18mHz around dusk tonight 10/2/99 and heard Mike calling CQ on 18.074 and working a few.

I set my pwr to 400mW and called him a few times and finally think I got in the log at 23:46z. I got a 549, and his QSL manager. He's in the USA but the logs won't be coming out until spring next year. Hi
So, I'll have to wait awhile to see if I made it into the logs.

My rig is the QRP+/WM-2 and inverted Vee dipole at 20'.

>From my QTH at 35 56n 93 28w to R1AND 70.76s 11.833e, it's 8877 miles. Or 22,192 miles per watt. That is if I can get that QSL card!

His manager is NT2X if you can work him.

Good luck, Jim KJ5TF

=====
Ham radio/alt energy <http://www.qsl.net/kj5tf/>
Milliwatting Editor ARCI QRP Quarterly
Arkansas QRP Club #2

Do You Yahoo!?
Bid and sell for free at <http://auctions.yahoo.com>

Date: Tue, 2 Nov 1999 20:05:16 -0800 (PST)
From: Monte Stark <ku7y@dri.edu>
To: GElam30092@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [55042] Re: what an experience.....
Message-ID: <Pine.GS0.4.10.9911022003460.22486-100000@rotor.dri.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Gerry,

You did a very good job!

Most of us here can remember the first time we heard
our own call coming out of that speaker.....many of
us just shut the thing off and walked away not knowing
what to believe!

Glad we made it,

cu next time,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@dri.edu....Washoe Lake, Nevada....NRA LIFE....

Date: Tue, 2 Nov 1999 23:17:55 -0500 (EST)
From: lujce@Lehigh.EDU
To: qrp-l@lehigh.edu
Subject: [55043] ADMIN: QRP-L topic list
Message-ID: <199911030417.XAA162964@nss4.cc.lehigh.edu>
Content-Type: text

The current *suggested* topic list:

ELMER100: beginning topics relative to a project for newbies
ELMER200: topics on oscillators and SPICE modeling of circuits
ELMER300: discussion of a complete xcvr like the 2N22/40
 with other numbers to added in this group of ELMER topics.
MANHAT: discussion of the Manhattan Style of construction.
 Note that Ugly construction and deadbug styles may be
 apropos to this discussion. The postings will be mainly
 Manhattan style but may be modified for the other types of
 building styles.
HB: homebrew discussions
HELP: Request for help on a QRP item. No non-QRP requests.
CONTEST: any announcement of a QRP related contest. Post contest
 discussion and scores to be posted on QRP-F.
CLUB: for discussion of clubs, club events, and meetings
ANT: antenna discussions
RCVR: receiver discussions
XMTR: transmitter discussions

XCVR: discussion of transceivers
KITS: discussion of a specific kit or kits.
REVIEW: a formal review article written up in detail. Review of a product that is QRP related. This may be a book, kit, paddle, or other amateur related item of interest to QRPers.
NILS: This is a special classification for Nils, our resident expert on the farout discussions. There is to be no followup by anyone on his postings. They can stand on their own. :-)
This is for historical preservation of his unique line of postings. Consider Nils our FAR SIDE expert..... :-)
PROP: Propagation reports from Paul Harden, NA5N, and others.
ARCHIVES: Where in the archives references exist for information.
FOX: Foxhunt postings of logs and results from foxii. Also schedule postings and changes. Hunters should take their post fox discussions to QRP-F.
NETS: Discussion of nets in the various regions, such as AR and CA. Announcements of same and procedures.
OPERATING: Discussion of operating QRP and how to get more proficient at the lower powers.
PICS: Discussions of PIC processors for QRP related projects.
F/S: For Sale and Trade of QRP equipment ONLY. Is there still interest in a list of original pricing on stuff like I used to do with the TenTec used price list? Posting of for sale items will carry an asking price. No bidding wars like best offer out of the best N over \$M dollars. Take the bidding to Ebay and no cross posting about Ebay.
LIST: Comments/suggestions/etc. concerning the list itself.

73

Jim N3VXI

Date: Tue, 2 Nov 1999 23:16:36 -0500
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: QRP-L Discussion Group <QRP-L@Lehigh.edu>
Cc: "W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>
Subject: [55044] YEP--Jim K6JMB N/T+ on 7.110.82
Message-ID: <199911022319_MC2-8B73-C905@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain;
charset=us-ascii
Content-Disposition: inline

Gang:

Jim K6JMB is out of his den and running full speed. Let's go get him, guys

:~). He is a good 569 here, with a little bit of QSB. There is some SW broadcast QRM, but you should be able to work him FB. Means a lot when we take time to work our N/T+ ops.

BTW, Jim has good CW and is using excellent FOX procedure.

Good luck, Jim, we are all pulling for you.

72,

--Doc Lindsey/K0EVZ

DSBF

PO BOX 6028

Bismarck, ND 58506

K0EVZ@arrl.net

Date: Tue, 2 Nov 1999 23:53:11 -0500

From: "Tim Cook" <timcook@erinet.com>

To: "tentec" <tentec@contesting.com>, "QRP" <qrp-1@lehigh.edu>

Subject: [55045] FS: Ten Tec Model 218 Narrow SSB Filter **Reduced**

Message-ID: <138001bf25b7\$54e80d40\$b47f5acf@erinet.com>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Maybe the price was too high for this filter, I will ship it in the 48 for \$50, I have no need for it now that the Omni-C is gone. Email direct if interested

thanks

Tim

NZ8J

Date: Tue, 2 Nov 1999 21:55:11 -0700

From: "al dawkins" <alk0frp@earthlink.net>

To: <qrp-1@lehigh.edu>

Subject: [55046] SS Prec fix for CT-9

Message-ID: <001f01bf25b7\$9e10b080\$3b02090a@adawkins.hsacorp.net>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Does anyone have the new Prec fix for CT-9 software.

New Prec seem to be not available on the CT web site

Any fixes out there ????

Al K0FRP

Date: Tue, 2 Nov 1999 21:57:23 -0700
From: Bob Nielsen <nielsen@primenet.com>
To: GElam30092@aol.com
Cc: qrp-1@lehigh.edu
Subject: [55047] Re: what an experience.....
Message-ID: <19991102215723.B26355@bob.localnet>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii

> 0145 W6SWE
> 0153 W7ILW
> 0159 W6SW

Gerry, I think you may have me twice. I had a bit of trouble copying you with the QRN and all. I heard you calling qrz and thought you might have heard me but the noise got you right after that. Later I turned off the power supply and went to the gell cell. The hum in the sidetone was gone after that. The "e" on the end makes for a lousy cw call and I know over the years many people have it in their logs as W6SW. When I was in California I was in a DX pileup a few times with W6SP and we both wondered which of us made the contact (it usually wasn't me).

I wasn't watching the time closely, but I think it was the second time (0159) when I was sure I worked you.

I've thought off and on about changing the call (I've had it since I was WN6SWE in 1952). Maybe someday....

Thanks again for my first contact on the DSW-40.

72/73, Bob

--
Bob Nielsen Internet: nielsen@primenet.com
Tucson, AZ AMPRnet: w6swe@w6swe.ampr.org
DM42nh http://www.primenet.com/~nielsen

Date: Wed, 03 Nov 1999 00:39:34 -0500
From: Hank Kohl K8DD <k8dd@arrl.net>
To: alk0frp@earthlink.net
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [55048] CONTEST: Re: SS Prec fix for CT-9
Message-ID: <4.1.19991103003325.00c4fa10@mail.tir.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 09:55 PM 02-11-99 -0700, al dawkins wrote:
>Does anyone have the new Prec fix for CT-9 software.
>New Prec seem to be not available on the CT web site
>
>Any fixes out there ????
>Al K0FRP
>

Although I like CT with the -vga switch, I'll most likely use NA this weekend CT 9.46 covers the new Prec's. It's on <http://www.contesting.com/ctvault/>

*/ Hank Kohl K8DD k8dd@arrl.net
*/ ARRL TS <http://www.tir.com/~k8dd>
*/ MI-QRP - Vice Pres. QRP-ARCI - Director
*/ G-QRP ARRL/LM QCWA/LM QCAO/LM

Date: Wed, 3 Nov 1999 00:56:56 -0500 (EST)
From: Bob Patten <n4bp@bc.seflin.org>
To: "Kent, AE4Y" <ae4y@hotmail.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [55049] Re: Sweepstakes Software
Message-ID: <Pine.3.89.9911030053.A21890-0100000@bc.seflin.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 2 Nov 1999, Kent, AE4Y wrote:

> The freeware version of CT (version 6.2, I believe) is available many places
> on the web. You'll have to edit the Section database to add the sections
> which have been created since that version of the program was written, but
> it is one of the best contest logs available.
>

Beware, I seriously doubt it will handle the new precedences added this year.

Bob Patten, N4BP (0 0) Plantation, FL
-----o00o-()-o00-----

E-Mail: n4bp@bc.seflin.org
Web Page: <http://wg104a.wh.uni-stuttgart.de/~n4bp>
Brass Pounder BBS: (954) 472-7715

Date: Wed, 3 Nov 1999 05:09:43 -0600
From: "Jerry Scherkenbach" <jerrys@execpc.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [55050] Re: ADMIN
Message-ID: <00eb01bf25eb\$ef4238a0\$3382cfa9@Pjerrys>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Sorry to piggy back on John's message but I have been trying to send messages to the list for a few days with no success. I don't post often so am wondering if I'm doing something wrong. I have been sending mail for the list to qrp-1@Lehigh.EDU
Any advice???

72
Jerry N9AW

----- Original Message -----
From: John A. Evans - N0HJ <jaevans@codenet.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Tuesday, November 02, 1999 2:36 PM
Subject: Re: ADMIN

> Folks,
>
> I don't mind voluntary or involuntary adherence to topic tags in headers.
> I'd prefer voluntary adherence. Either way, it would be nice if each post were
> then tagged with a trailer with the list of topics. I hate having to go
> somewhere to look up what the topic tags are, plus who knows how much
> discussion will be generated from questions about what tags are used.

Perhaps

> a short inof message on how to unsub would be appropriate, too.

>

> 72 - john - n0hj

>

>

>

Date: Tue, 2 Nov 1999 22:11:49 -0800

From: "jmb" <jmb@cruzio.com>

To: "QRP-1" <qrp-1@lehigh.edu>

Cc: "Wilford D. Lindsey" <70511.3041@compuserve.com>

Subject: [55051] FOX NT+ Log for Nov 2, 1999 -- K6JMB

Message-ID: <0be001bf25c2\$52018e20\$a089e3a5@workstation>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Well, I think maybe the fox needs a new set of ears. I only managed 4 QSOs tonite, but nonetheless had a lot of fun, and learned at least a couple lessons. Here's who found me...

Time	Call	RST Sent	RST Rcvd	STATE	Name
0401Z	K0EVZ	499	559	ND	Doc
0411	KA7OZ0	559	559	OR	Dave
0435	N7CQR	599	569	OR	Dan
0448	KB7MBI	559	339	WA	Alan

There were a couple other very weak signals that I wasn't able to copy at all and could barely hear around 0515Z. I'd sure be interested in hearing from anyone who heard me and called me, but didn't get a reply. I need to figure out how to get better at this.

I was using my K2 and have had quite a few non-contest QSOs since I built it in August - this was my first shot at anything like a Foxhunt. Anyway, it seemed I worked best with my filters wide open and just ignored the noise. Unfortunately, the filters seemed to filter out the signals as well as extraneous noise. In my ragchew QSOs, this hasn't been much of a problem, in fact the filters have been great. Also, it seems like most of the time, the signals I did hear had to be really ***listened*** for in a way I haven't normally worked. Maybe up to now I've just ignored these signals and there's a whole world I haven't been listening to yet. Guess I need to retread my brain. I'm also wondering about my antenna, a cute little homebrew inverted-v up about 30 feet. Maybe I need to think about something

better. I'm very near the coast at sea level, surrounded by tall eucalyptus trees, level ground, good size lot. Any antenna suggestions are welcome. But then maybe all this stuff is fine. There's more to this than equipment and intent, that's for sure.

The best adjustment might just be more experience. Good judgement (as well as other stuff) comes from experience, experience comes from bad judgement. Ah well....any suggestions or thoughts would be much appreciated.

Please don't read this as whining or complainin' - I'm just trying to figure out how to get better at this. I'll be back later this week for another shot, or should I say to be the "shootee" -- times to be posted here a little later, per the rules.

73 de K6JMB
Jim Boyle
FISTS #6537 QRP-1 #1845 - Good
I'd rather die LIVING than live DYING...

Date: Tue, 2 Nov 1999 22:13:48 -0800
From: David Kidd <ka7ozo@pacifier.com>
To: qrp-1@Lehigh.EDU
Subject: [55052] K6JMB - The Fox
Message-ID: <v03007801b44581fb1ef3@[206.163.5.81]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I was able to bag him right away....559 with some QSB here in Oregon. He was my first ever Fox and it is fun. Dan, N7CQR, bagged him from my place also. But the other thing is that Dav "volunteered" me to be the Fox next week so the alert message will be going out in a day or so after check the freq I will be using to make sure there is no broadcast stuff at that time of night. Right now if it all works out I will be around 7.140 +/- from 0100-0300 Zulu/UTC (which is 1500-1900 local PST) running my powered down IC-735 or maybe my MFJ-9040 if I can get it filtered in time.

Hope to work a lot of you next week. Happy Fox hunting!

CUL & 72,
Dave
KA7OZ0

Date: Wed, 03 Nov 1999 01:49:41 -0500
From: Pete Burbank <plburbank@kih.net>
To: <qrp-l@Lehigh.EDU>
Subject: [55053] Re: ADMIN
Message-ID: <3.0.32.19991103014415.007429b0@kih.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 10:34 PM 11/2/99 -0500, you wrote:

>I think the idea of voluntary adherence to the topics is sound in
>principle and I will try to work with it. However, my way of thinking
>is tangential in nature. I'd like to think that that is one of the things
>that makes for a good QRP'er. Don't be too surprised if I list a topic
>but end up somewhere else in my post. And that argues in favor of a wide
>open list structure anyway. There...see...I went and did it again.

>

>--

>+++++

>

> T.J. "SKIP" AREY N2EI e-mail tjarey@home.com

>

> Website http://members.home.net/tjarey

>

> Snail Mail: PO Box 236, Beverly, NJ 08010

>

> Specialization is for insects! LAZARUS LONG

Skip, You did it again by planting thoughts in my head.

How about if Elvis checked in from the afterworld...not to

mention some mental heavys. What topic to select ?? I think

QRP-L's real strong point is that it is pretty wide open and I

suspect that it still is a fairly open forum of gentlefolks

who behave themselves. Hey! Maybe Alan Watts will check in.

73 Pete NV4V

Date: Wed, 3 Nov 1999 02:56:16 -0500
From: "George Heron" <n2apb@erols.com>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Cc: "NJQRP" <NJQRP@njqrp.org>
Subject: [55054] Review of "Low Power Communications"
Message-ID: <00c601bf25d0\$f1aaef80\$c397accf@computer>
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I just finished dropping off the last batch of QRP Homebrewer issues (#'s 301-500) to our "NJQRP Kitting & Shipping Crew" (captained by Ken, N2CQ and major muscle from Herb, K2HPV) and picked up my copy of Rich Arland's new ARRL publication called "Low Power Communication, The Art and Science of QRP". (We had a group purchase here for Jersey QRPers.) Had a chance to read through it tonight after returning home ... man what a nice piece of work!

Rich Arland, K7SZ authored this book and it's recently hit the presses of ARRL publishing ... I found it to be a great overview of equipment, clubs, approach and description of QRP operation. Even had a nice foreword from our own Doug Hendricks, KI6DS recapping the explosive growth of QRP during the '90s.

The aspect I found most interesting in Rich's book, and the section I think would be of great interest to many here on QRP-L, is the overview of QRP equipment. Pictures, mini-specs, descriptive heritage/lineage, and best applicable use of the currently popular QRP gear on the market today. Kits covered include Ten-Tec's Argonaut series, the Heathkit HW-8 and HW-9, commercial rigs such as Kenwood TS-130V and Yaesu FT-7, SGC-2020, MFJ 9410, the wildly popular K2 from Elecraft, Oak Hills Research 500 and 100, Small Wonder Labs' SW+ series (the Elmer 101 Project chronicled in QRPp) and Green Mountain Series and White Mountain SSB transceiver, and Wilderness Radio's Sierra, NorCal 40 and SST.

Rich covers advanced QRP techniques such as QRP DXing - ways to ease into it, techniques for bagging the biggies (band hopping, packet clusters, busting the pileups), and awards that can be realized; Milliwatting, putting some pizzazz into your operating by going below 1 Watt; Satellite communications and data communications. He doesn't mention the newest PSK31 techniques but he describes the generic "multimode data controllers" and error free traffic handling using PACTOR.

An entire chapter is devoted to spartan field operation for hams wishing to take their rigs and antennas on their back to the trail.

And in an even larger chapter K7SZ discusses antennas ranging from the classic and simple end-fed half-wave, auto tuners from LDG, dipole antennas and derivatives (vee's, Extended Double Zepp and G5RV), including antenna patterns illustrating performance on 160m through 20m. He goes on to cover Windom antennas (single wire connected about 14% off center, operated against and earth ground), wire beams, a tri-band attic beam, and (my favorite): loops!

An super chapter is dedicated to "HF Propagation for the QRPer". Ionization principles, working the layers, various propagation variables, and cyclical variations of the sun are overviewed with text, graphs and photos. I loved the "band-by-Band Tour", which is a good guide to which band to use for what kind of distances during which part of the "diurnal-nocturnal transitions" (day-to-night changes).

There is so much more included in this 205-page, 7"w x 9"h x 1/2" thick book that can't be given justice. QRP calling frequencies, suppliers and manufacturers, QRP net schedules and QRP club and websites ... it's all in there!

And I just noticed that inside of this copy is signed by K7SZ himself. Not sure how that happened, but it's a keeper for my bookshelf.

Chuck Adams, K7Q0 has often stresses the need for a good technical bookshelf ... this one isn't the be-all-end-all technical reference, but I'd strongly recommend it to all those new to QRP within the last year or two. It's a very good overview of current equipment and techniques. A good "calibrator" for the newcomer.

I remember when I was starting in QRP, after some 15 years as a traffic handling ham. I noticed some interesting equipment (Sierra, from Wilderness Radio) advertised in a very cool QRP column by KI6SN in a freebie issue of Worldradio. I couldn't find information fast enough in those days! "Low Power Communication" would've given a good picture of the QRP landscape then, as it can today for us all.

"Low Power Communication, The Art and Science of QRP", by Richard Arland, K7SZ, ISBN 0-872-59-733-4 can be ordered directly from the ARRL from their website <http://www.arrl.org/catalog/> for \$14.95 + shipping, or by calling 1-888-277-5289 (inside US) or +1-860-594-0355 (outside the US).

Hope this review has been of some value to QRP newcomers and experienced guys alike.

72, George N2APB
n2apb@amsat.org in Baltimore, MD

Date: Wed, 3 Nov 1999 02:31:19 -0500
From: "Thom Durfee" <wi8w@arrl.net>
To: <qrp-1@Lehigh.EDU>
Subject: [55055] free sweepstakes software
Message-ID: <000f01bf25cd\$6c413780\$c5e22fd8@belgarion>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

go to my pitiful website at www.wi8w.org and you will find a link for software for sweepstakes logging that runs in windows.

Thom WI8W

Date: Wed, 3 Nov 1999 00:46:15 -0700
From: Wayne Burdick <n6kr@elecraft.com>
To: qrp-1@lehigh.edu
Subject: [55056] 28 MHz xtal osc. using 2N2222A and 1-V supply
Message-ID: <v03102800b445912f5476@[206.169.225.14]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Are special low-junction-voltage or high-gain transistors required to meet the 1-V challenge? No!

To see what a 2N2222A could do with a 1-V supply, I just breadboarded a 28-MHz crystal oscillator, using a fundamental-mode crystal and a total of only five parts. It works beautifully, and actually continues to operate well *below* 1 volt. Output, taken from the emitter, is about 1.5 V peak-to-peak into an open load, or 1 volt into a 1-K resistive load. Adding a second 2222 as an emitter follower yields about 1 Vpp into 47 ohms, or

2.5 milliwatts ;-)

One very important thing to keep in mind when working with low-voltage, high-current circuits is that supply decoupling caps and very low-impedance ground returns are NOT optional. When I first built the little oscillator/amplifier mentioned above, it was operating as a multivibrator--the signal on the 1-V power supply lead was almost as large as the signal into the 47-ohm resistor! Bypass caps near the collector of each transistor solved the problem.

Have fun!

73,
Wayne
N6KR

Date: Wed, 3 Nov 1999 00:43:58 -0700
From: Wayne Burdick <n6kr@elecraft.com>
To: qrp-l@lehigh.edu
Subject: [55057] A 1-Volt regulator for low-voltage circuit development
Message-ID: <v03102801b445970eb5b2@[206.169.225.14]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Rather than use up alkaline batteries during 1-V circuit testing testing, you might want to make a simple 1-volt regulator that can itself be powered from a 12V bench supply. This is preferable to using two high-wattage resistors as a voltage divider (!), since it will provide a much more stable output as the load current varies.

All you need is a hefty NPN transistor to use as a "pass device" (emitter follower), plus one resistor and a standard LED. The resistor and LED are placed in series to ground to provide a base voltage reference of 1.7 V for the regulator transistor. Since this transistor's B-E junction drops another 0.7 V, bingo--you get a reasonably well-regulated 1.0 volts (approx.) at the emitter. The LED also doubles as a power-on indicator.

For low current use (say 20-30 mA output @ 1 V), you can use a 2N2222A or nearly any other NPN transistor as your pass device. For higher currents, use a 2N2219, 2N3053, 2N3055, or perhaps a TIP-series device, and a heat sink.

73,
Wayne

N6KR

Date: Wed, 03 Nov 1999 00:07:12 -0800
From: Jim <w7ls@blarg.net>
To: qrp-1@lehigh.edu
Subject: [55058] FS:Heathkit HW-99 and speaker
Message-ID: <381FED30.C5B62A7A@blarg.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi. Still cleaning out the shack and have a nonworking Heathkit HW-99 and matching speaker. It was built very well, with no solder blobs or other visible problems. Doesn't transmit and doesn't receive. It does have a sidetone. Condition of the case is very nice, but has some scratches. 4 screws on the side are not the black ones, but are shiny replacements. It doesn't look new, but it isn't very far from it.

The HW-99 was sold as a novice radio. It covers 80, 40, 15, and 10 meters only. Power output is rated at 50 watts and is adjustable down to pretty close to zilch (is that a proper term??). It is CW-only. Color is the modern brown, like the HW-9.

There is a sticker inside that indicates that it was serviced by Heathkit in 1986, it looks like. I could be wrong, and it may only indicate that it was built in 1986. Not sure about that. I have most of the manual for it, but lack the schematic. There is tuneup info in the manual info that I have.

I'll sell them separately, but only if the speaker goes first. I don't have time to deal with this now, so I'll offer the speaker for \$35 and the transceiver for \$150, or the pair for \$175. Thanks. Jim W7LS.

Date: Wed, 3 Nov 1999 19:07:17 +0800
From: "Sly (9M8SL)" <cqsly@tm.net.my>
To: "Jim Kortge, K8IQY" <jokortge@prodigy.net>
Cc: <qrp-1@Lehigh.EDU>
Subject: [55059] RE: ELMER300: 2N2/15 Design Lightoff
Message-ID: <19991103110717.JRQZ509@User>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Jim & Gang,

Really appreciate the hard work u are putting into the 3rd world 2N2/15.
Went to ur site and read the latest on the 2N2/15 project.
Your constant consideration of readily available parts in the 3rd world and
ur Manhattan style really augers well with this project.
It is as though we are not left out in the building process ! Others, may
not have done so in their designs and thinking !

Okay, this comes from ur homepage....Quote:
'...The only detail not yet revealed is what must the "higher frequency" be
which I
alluded too earlier. That choice is a bit unclear, but only because of lack
of knowledge of what higher frequency crystals might
be more readily available in far off places. My first choice, and the
candidate so far chosen, is to make it 12 MHz.' Unquote...

How about the near 14.320 MHz and 24.000 MHz Xtals readily found in
computers i.o cards?
They can easily be found in computer junks, especially the defunct i.o.
cards...plentiful in the 3rd world, I think...usually thrown away by the
shops. No knowledge on these xtals, whether it is fundamental or
overtone...but thought u might want to know and take them into account when
designing ur 3rd world radio.

Tks and will be visiting ur site from time to time.
Hpe to see ur 'Manhattan Skylines' developing...heehee

Vy 72 to u & all,
de Sylvester (Sly) Liew, 9M8SL
Sarawak, East Malaysia, Borneo Island.

Date: Wed, 3 Nov 1999 04:31:56 -0700
From: "Francis Callahan" <colcal@srv.net>
To: <kf2ew@juno.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [55060] Re: SS and Novice/TechPlus Bands
Message-ID: <199911031134.EAA06819@srv.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Lets all of us try at least 15 minutes in the n/t+ bands during the SS
would give the new hams a great morale boost 72 Cal KF7ET

> From: kf2ew@juno.com
> To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
> Subject: Re: SS and Novice/TechPlus Bands
> Date: Tuesday, November 02, 1999 7:05 PM
>
> Brian, I second that. Ashley, KC2EEQ, (7 yrs. old) will be working SS,
> starting at 4 pm. Hope to see you all there!
>
> Mike, KF2EW
>
> On Tue, 2 Nov 1999 06:12:45 -0500 "Brian J Keegan" <brimail@home.com>
> writes:
> > Hi Gang,
> >
> > If your in Sweepstakes this weekend and you find a lull in the
> > action take a
> > few minutes to tune thru the Novice/Tech bands and work some of the
> > folks up
> > there. Their QSOs are worth the same points and I'm sure they'll
> > appreciate
> > it.
> >
> > Brian KF2HC
> > kf2hc@njdx.org
> >
> >
> >
> >
> >
> >
> -----
> Get the Internet just the way you want it.
> Free software, free e-mail, and free Internet access for a month!
> Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Date: Wed, 3 Nov 1999 06:57:41 -0600
From: Karl Kanalz <KKanalz@excel.com>
To: Wa3ptg@aol.com, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [55061] RE: 1V Challenge
Message-ID: <2D343922E283D211945C0008C7A41B2ACEB6D2@ADNTEX01>
MIME-Version: 1.0
Content-Type: text/plain

Yes, the challenge CLEARLY STATED "No integrated circuits" !

Karl K - W8TIF
McKinney, Texas

-----Original Message-----

From: Wa3ptg@aol.com [SMTP:Wa3ptg@aol.com]
Sent: Tuesday, November 02, 1999 5:54 PM
To: Low Power Amateur Radio Discussion
Subject: Re: 1V Challenge

Didn't the challenge say no IC's??

WA3PTG
Harry (Hap) Hurst
Wilmington DE

Date: Wed, 03 Nov 1999 08:10:45 -0500
From: David Hinerman <dlh1009@ritvax.isc.rit.edu>
To: qrp-l <qrp-l@lehigh.edu>
Subject: [55062] Re: A 1-Volt regulator for low-voltage circuit development
Message-ID: <38203455.7E78402F@rit.edu>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7BIT

Wayne Burdick wrote:

> All you need is a hefty NPN transistor to use as a "pass device" (emitter
> follower), plus one resistor and a standard LED. The resistor and LED are
> placed in series to ground to provide a base voltage reference of 1.7 V for
> the regulator transistor. Since this transistor's B-E junction drops
> another 0.7 V, bingo--you get a reasonably well-regulated 1.0 volts
> (approx.) at the emitter. The LED also doubles as a power-on indicator.
>
> For low current use (say 20-30 mA output @ 1 V), you can use a 2N2222A or
> nearly any other NPN transistor as your pass device. For higher currents,
> use a 2N2219, 2N3053, 2N3055, or perhaps a TIP-series device, and a heat
> sink.

Wayne,

Great idea! I was considering just a couple-three silicon diodes in series, but I like the LED idea better.

Do you know how stable the voltage drop across the LED is over

temperature extremes? I was also wondering how to do a stable low-voltage regulator for oscillators and such in-circuit. The silicon diode forward drop is quite variable (and pretty linear - we've used 'em for temperature sensors) over temp.

Dave

--

Dave Hinerman WD8CIV
Ontario, NY Grid FN13IF
dlh1009@rit.edu

Date: Wed, 3 Nov 1999 06:19:57 -0700
From: "Jess Gypin" <jessqrp@earthlink.net>
To: <qrp-l@lehigh.edu>
Cc: <elecraft@qth.net>
Subject: [55063] Heil headset is spoken for
Message-ID: <00bf01bf25fe\$22e4bcc0\$4300f5d1@jessqrp>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I appreciate all of the stories and offers to get the Heil headset that I was offering. It has been spoken for and will be going out this week hopefully.

Jess AE0CW

Date: Wed, 3 Nov 1999 08:23:24 -0500
From: "wayne reed" <wlreed@custom.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [55064] RCVR:
Message-ID: <03e601bf25fe\$a2f131a0\$814961ce@q7c8d5>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Gang,

For a lot of these single band rigs, the receiver performance may depend on the headphone more than some of us suspect.

Has anyone made an effort to measure the performance of the typical

'walkman' style headphones that many of us use with these rigs? There was quite a bit of discussion about this when the NorCal 38S rigs first arrived.

I was giving some thought to measuring SPL [sound pressure level] for a given power in at say 700 Hz. Could also measure the impedance at the same time. I have access to a SPL Meter, so could look at a dozen headsets or so and see just how much they vary for our application.

Comments??? Data you would like to see. It would be easy to post results to this list.

Wayne, k9ne

wlreed@custom.net

Looking forward to lots of feedback [direct to me, please!]

Date: Wed, 3 Nov 1999 08:34:58 -0500
From: "Brian J Keegan" <brimail@home.com>
To: <alk0frp@earthlink.net>
Cc: "QRP-L" <qrp-l@lehigh.edu>
Subject: [55065] Re: SS Prec fix for CT-9
Message-ID: <007401bf2600\$39e92760\$12960318@vtron1.nj.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

To update the Sweepstakes info in CT you need to download CT945.ZIP from the CT web page. Unzip it and you'll see CT945.EXE or CT.EXE (I don't recall exactly but it's one or the other. I did this a couple of weeks ago). Replace your old ?.EXE with the new, run it and the SS info will update automatically. You'll also see updated countries data files in CT945.ZIP.

I did the updates so my wife could use CT in CQWW last weekend. Everything worked fine.

Brian KF2HC
kf2hc@njdx.org

Date: Wed, 3 Nov 1999 08:51:48 -0500
From: "Fitton, James M (Jim)" <jfitton@lucent.com>
To: "'qrp-l@Lehigh.EDU'" <qrp-l@Lehigh.EDU>
Cc: "Fitton, James M (Jim)" <jfitton@lucent.com>

Subject: [55066] HEATH HM-9 INFO WANTED

Message-ID:

<CA44F65AFA49D211806D0008C728C0D90220AAFE@ma0940exch002u.mv.lucent.com>

MIME-Version: 1.0

Content-Type: text/plain

I have an HM-9 wattmeter built for VHF : I need conversion from VHF to HF. I will pay costs.....

I have a TenTek 277 Ant. Tuner in like new condition. 80s vintage, with that patented toroid inductor switch, SWR meter, and balun. Same color as Century 21 and very pretty. Open to swaps offers etc...

See you at Harborcon in Portland Maine on Saturday.....

72 W1FMR

JIM FITTON

LUCENT TECHNOLOGIES INC.

Tel. 978 960 2577, FAX 1160

jfitton@lucent.com

Date: Wed, 03 Nov 1999 07:00:45 -0700

From: Bruce Kizerian <kizerian@ced.utah.edu>

To: wlreed@custom.net

Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [55067] Re: RCVR:

Message-ID: <3820400C.65F1107F@ced.utah.edu>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

>

> Has anyone made an effort to measure the performance of the typical
> 'walkman' style headphones that many of us use with these rigs?

Wayne,

I don't have any measured data, but have tested numerous brands and models of headphones on the ElmeRadio AM Regen. Conclusion: Buy Sony headphones. The in-the-ear buds are very sensitive. Lightweight on-the-ear types are a bit less so, but still excellent. Sony headphones were much better than Panasonic and the no-name brands tested. You don't have to buy the most expensive Sony's. The

cheapest models selling for \$6-\$12 work just fine.

Charles Kitchin reached the same conclusion when he tested phones for his regen radios.

Admittedly, these are subjective test, but I am quite sure your objective tests will bear this out.

Bruce kk7zz

Date: Wed, 03 Nov 1999 07:00:48 +0000
From: Roger Hightower <n7kt@earthlink.net>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [55068] QRP-L Web Page down?
Message-ID: <381FDDA0.FB4F432A@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I've been trying to get to the web page (qrp.cc.nd.edu/pqr-l) for a few days now, but get an error messasge.

Is the site down? Or has the URL changed?

Tnx...Roger

--
73, de Roger, N7KT
qrp-l #62, NorCal #1099, Zombie #006
Mesa, AZ 85202

Date: Wed, 03 Nov 1999 09:21:41 EST
From: ka7you@juno.com
To: QRP-L@LeHigh.EDU
Subject: [55069] TNX! RE: 2N3553 Sub
Message-ID: <19991103.072527.12647.10.ka7you@juno.com>

Thank you all for the many fine responses on the substitution request, and sources.

2SC2078, RCA 4013, 2N3053, and 2N2218 were all mentioned more than once. Some are different case styles, but that is no problem for a 'pad' constructed board.

Rod Johnson KA7YOU from grid CN97AK near Issaquah, Wa.

80M thru 10M with K2 s/n268 and other fine QRP rigs.
VHF thru 1296 MHz-higher bands pending
ARCI-QRP #7251 QRP-L #844 NWQRP #120 NorCal #2007 and others

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Date: Wed, 03 Nov 1999 06:39:44 -0800
From: Jerry Parker <jparker@fix.net>
To: qrp-l@LeHigh.edu
Subject: [55070] The Upcoming November Meeting
Message-ID: <3.0.6.32.19991103063944.00b158a0@fix.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

QRPers, the November meeting of the NorCal QRP Club will be held as usual Sunday November 7th at the California Burger Restaurant, located off the Santa Rita Exit of I580 West of Livermore and East of Pleasanton. The California Burger is located in the small shopping center behind the Shell Station across the street from McDonald's Restaurant. If you are coming from Livermore, take the Santa Rita exit, and you will come to a stop light. Turn left and go over the freeway. You will come to a traffic signal. Turn left, and you will notice a McDonald's on your left, and a Shell station on your right. Take the first right turn, (about 107 yards, 2 feet and 7 1/4 inches from the intersection) and you will be in a small shopping center. The California Burger is in the SouthWest corner of the shopping center. Look for all of the cars, you can't miss it.

If you are coming from Pleasanton, take the Santa Rita exit to your right. You will come to a traffic light. Go straight across the street, and you will see the McDonald's and Shell Station. Same directions as above.

Remember, if you have never been to a QRP meeting, this is not like all of the other meetings you go to. It starts about 10:30 and ends about 1:30 or so. No rules, no minutes, no new business, no old business, just a get together of QRPers who want to meet and share QRP information with others of like interests. Our meeting is entirely social, and those who attend always seem to enjoy themselves. If you come, bring along your latest project to share with the rest of us, we want to see and admire it, probably steal a couple of your ideas in our next project, but we will have fun!

72,
Doug, KI6DS

Date: Wed, 03 Nov 1999 08:58:50 -0600
From: crc <crc@io.com>
To: QRPL <QRP-L@Lehigh.EDU>
Subject: [55071] Re: Kits:Wanted 49er board
Message-ID: <38204DAA.6D114F98@io.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I was looking at my sent mail about the 49 er boards and saw several letters to people who went to FAR circuits page and couldnt find them. The 49 er board is mislisted as a Transmitter, not as a Tranceiver which is it's true classification.

With all the boards on that page I have started looking in all classifications before I decide something is not available. This has caused on occasion extra projects to appear on my desk after I see something interesting in a totally different area than my original project.

Every thing I have ever gotten from them has been excellent quality and quickly delivered, and this goes back for many years and many projects.

As usual I own no part of them only use their products(happily)

Charlie

W5KRF

Date: Wed, 3 Nov 1999 08:02:12 -0700
From: Torell Kent-P12255 <Kent_Torell-P12255@email.mot.com>
To: "'qrp-l'" <qrp-l@lehigh.edu>
Subject: [55072] 1V: A reference article
Message-ID: <6D3B40A2556FD2118B0D0008C7BA848C033B107F@az25exm01.geg.mot.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

One of the projects that's been on my 'do' list for the last 25 years (!) is to build a regen receiver described in Ham Radio, April 1973, pp. 42-45. Courtney Hall describes a WWV regen receiver he built that runs on a 1.5 volt battery ... draws 1.5 mA! Looks a lot like Paul Harden's regen stuff,

except it has three transistors direct coupled for the audio stage.

He used a Fairchild transistor; the TIS97, which is still being made. It is a silicon part, high gain (min 250) and a 2 db noise figure. Nice general purpose transistor, as it's breakdown is 40 volts.

Kent Torell AB70A p12255@email.mot.com Motorola SSG
480-675-2003(phone) 480-441-8400 (fax)

Date: Wed, 3 Nov 1999 10:06:36 EST
From: ARDUJENSKI@aol.com
To: qrp-l@lehigh.edu
Subject: [55073] SITE FOR NEW QRPers
Message-ID: <0.9cff2536.2551a97c@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

When listing general sites for new folks a month ago I failed to include the one for K3WWP: <http://www.alltel.net/~johnshan/findex.html>

It has info on CONTESTING, PROPAGATION, GENERAL QRP INFO, HOMEBREWING, QSLING, CW, DX, OPERATING PRATICES plus great links.

When you visit John's site make sure you have a fresh pot of coffee nearby because you will be spending quite some time there.

Have a super day. Alan KB7MBI

Date: Wed, 3 Nov 1999 10:52:41 -0500
From: "Franco, Nicholas J" <franco@bnl.gov>
To: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>
Subject: [55074] HELP: Re: 2N3553 Sub?
Message-ID: <698DB793D712D31180B600902746422D50B9A5@exchange01.bnl.gov>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

I sent the following to Ed more as a question and he advised relaying the info to the group - you.

>
> Ed,
>

> I don't know too much about this stuff yet, so I'm sending this to you
> instead of the guy who asked, cuz I don't want to mis-lead anyone.
>
> Dave Benson sent me 2SC799 or some such number xxx799 as
> replacements for
> the original 2N3553 that was in my original SW-30. I think
> the 2N3053 from
> radio shack put less power out. At least it did in my SW-30.
> I went from 2
> watts out on the original 2N3553 to 1 watt out on the 2N3053
> and so I asked
> Dave for another final and he send the xxx799 instead saying they were
> current and comparable. Power went back up to 2 watts.
> FYI
>
> Nick - kf2ph . .
>

Nicholas J. Franco <>< BROOKHAVEN NATIONAL LABORATORY
Systems Administrator RHIC Project Building 1005
Tel: (516) 344-5467 UPTON, NY 11973-5000
Fax: (516) 344-3674 Ham Call: KF2PH
Email: nickf@bnl.gov <http://www.rhichome.bnl.gov/People/franco>

Date: Wed, 3 Nov 1999 09:06:05 -0700
From: Gary L Surrency <gsurrency@juno.com>
To: jokortge@prodigy.net
Cc: qrp-1@Lehigh.EDU
Subject: [55075] Re: ELMER300: 2N2/15 Design Lightoff
Message-ID: <19991103.090607.-320353.0.gsurrency@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Jim,

This is great news! A lot of people have been asking for a rig for 15m,
and your new design will make a lot of them happy.

Are you going to utilize a low frequency IF like the 2N2/40 has to keep
good selectivity? That would necessarily mean a premix oscillator and
mixer to work with the 4 MHz IF and still maintain good VFO stability and
the required mixing to get to 21 MHz.

Good luck with this new project. There are a lot of us who appreciate your efforts. Let us know if we can be of any help.

73,

Gary Surrency AB7MY QRP-L #571 Chandler, AZ (near Phoenix)

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Date: Wed, 3 Nov 1999 11:31:27 EST
From: Wb4jjj@aol.com
To: qrp-l@lehigh.edu
Cc: K4AHK@ix.netcom.com
Subject: [55076] CLUB: NOVA-QRP Meeting on November 13
Message-ID: <0.63630e59.2551bd5f@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

NOVA-QRP, the powerful QRP group for Northern Virginia, will hold its scheduled bi-monthly luncheon get-together at Mama's Restaurant in Fairfax, Virginia on Saturday, November 13, 1999. Mama's Restaurant is just one block west of Fairfax Circle on Route 50. Plenty of (free) parking and great food (not free).

NOVA-QRP has no published start and end times for its luncheon meetings, but Mama's opens its doors at 11:00 am, and at the last meeting there were folks waiting outside to get in when the doors were unlocked.

NOVA-QRP has no officers, dues, rules, regulations, business, minutes or any of the other trappings of organized groups. Rather, we have tall tales, show and tell for QRP rigs and equipment (bring yours to show and tell), and a lot of fraternizing with other high-powered low power folks.

NOVA-QRP also has a continuing supply of free Altoids tins and other stuff for those who attend. For needy hams, this is indeed a kinda paradise.

NOVA-QRP's official list is maintained by K4AHK. To be added to that list for notification of meetings send an email request to K4AHK@ix.netcom.com and he'll see that you are notified.

NOVA-QRP hopes to see you there. Just because we are in Northern Virginia doesn't mean you gotta be from here to be there. Last meeting we had hams from another state! And our NOVA-QRP official mailing list has hams on it from all over the country. Be sure to bring a copy of your QSL card for the membership book, and if you have a ham call badge, be sure to wear it.

72 and 73

Al, WB4JJJ

Alan A. Wheeler
Fairfax, Virginia

Date: Wed, 3 Nov 1999 11:42:07 EST
From: Robsparks@aol.com
To: qrp-1@lehigh.edu
Subject: [55077] AR QRP 40m Net Tonight - 0130Z
Message-ID: <0.32b5b35a.2551bfdf@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

AR-QRP 40 m Net Wednesday Night - new time!

The AR-QRP 40 m net is tonight, Wednesday, at 0130Z (7:30 CDT) at 7.042 MHz. Bob, AB5ZD is NCS and will be calling "QST AR QRP NET de NQ5RP PSE QNI". At that time, please send your full call (or a letter!). When I copy you, I will return your call and AS (stand by) while more call in. When I have everyone's call, I will start at the top and go down the list for reports and comments. If you are building a rig or trying a new antenna, tell us about it! Everyone is interested in your power, so be certain to send that! However, try to keep it short, particularly if there are a lot of QNIs on the list. This is a fun and informal net, and is a low hassle way to learn how to check into a net. You don't need to be a member of the AR-QRP Club to check in. Don't feel comfortable checking in? Just "copy the mail" and improve your CW skills! We welcome volunteer NCSs and new check-ins!

72,

Bob AB5ZD

Date: Wed, 03 Nov 1999 11:27:54 -0500
From: James Owen <james.owen@nist.gov>
To: qrp-1@lehigh.edu
Subject: [55078] HELP-Sencore SC-61
Message-ID: <3820628A.2085E9B@nist.gov>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Anyone have one of the above and can help me with a copy of the manual?

Date: Wed, 3 Nov 1999 08:47:51 -0800
From: Mike Gipe <mgipe@reliablemeters.com>
To: "QRP-L list (E-mail)" <qrp-l@Lehigh.edu>
Subject: [55079] CONTEST: SS: rules question
Message-ID: <F988E2FF74F4D111A61F00A0C949D7A90BBA31@mission>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"

Question about Sweepstakes rules:

Section 3.2.2 under the Multioperator class permits unlimited band changes. I can not find any other reference in the rules to any restrictions on band changes. Can I legally hop from band to band without lingering for at least 15 minutes (single op QRP class)?

Is there a list of the accepted section name abbreviations somewhere?

Mike K1MG

Date: Wed, 3 Nov 1999 09:04:16 -0800 (PST)
From: Monte Stark <ku7y@dri.edu>
To: Mike Gipe <mgipe@reliablemeters.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [55080] Re: CONTEST: SS: rules question
Message-ID: <Pine.GS0.4.10.9911030902010.26015-100000@rotor.dri.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Mike,

The ARRL General HF contest rules say that a multioperator class station is limited to 6 band changes per clock hour.

<http://www.arrl.org/contests/announcements/rules-hf.html>

For the SS contest that rule is removed.

Single ops have no restrictions on band changes.

Hope this helps,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@dri.edu....Washoe Lake, Nevada....NRA LIFE....

Date: Wed, 03 Nov 1999 10:02:11 -0700
From: Bob Hightower <ki7mn@extremezone.com>
To: qrp-l@lehigh.edu
Subject: [55081] Note to KD7CVA Stan
Message-ID: <199911031705.KAA18043@enterprise.extremezone.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Sorry for the b/w, but I need to contact Stan Connor KD7CVA, and his yahoo e-mail address doesn't work. Stan, please contact me by return private e-mail.

Bob Hightower KI7MN

<http://www.extremezone.com/~ki7mn>

Date: Wed, 3 Nov 1999 09:53:14 -0800
From: Mike Gipe <mgipe@reliablemeters.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [55082] RE: CONTEST: SS: rules question
Message-ID: <F988E2FF74F4D111A61F00A0C949D7A90BBA34@mission>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="windows-1252"

Thanks Ron and Dick for the quick and concise answers to my questions. I've got it now. See you in the SS!

Mike K1MG

Date: Wed, 3 Nov 1999 13:02:44 +0000
From: "Steven Weber" <kd1jv@moose.ncia.net>
To: n6kr@elecraft.com

Cc: qrp-1@lehigh.edu
Subject: [55083] Re: 1-V challenge thoughts
Message-ID: <199911031743.MAA28977@moose.ncia.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

> Just to lay down the gauntlet, what I'm hoping we see at Dayton is a
> fully-functional transceiver that works down to a bit *less* than one volt,
> has 1-uV receive sensitivity, and puts out a watt on 80 meters or higher.

I'm not sure Wayne fully considered what it would take to produce 1 watt of RF output power, with only a 1.5 or 1v supply. Lets take a quick look at some calculations and see why meeting this goal may be litterly impossible to do.

For a start, lets make some assumptions.

$V_{cc}=1.5V$. RMS power out 1 watt. efficiency 50%, $V_{ce\ sat} = 0.5V$

Okay, if we have an efficiency of 50%, we will need 2 watts of input power. Muliplying by 1.414 to get peak power, we need 2.83 watts.

A 1.5V supply minus the transistor $V_{ce\ sat}$ of 0.5V gives us 1 volt across the load. Peak collector current will therefore needs to be P/E or 2.83 amps!

In reality, getting a 50% efficiency is very optimistic. So is having a $V_{ce\ sat}$ of 0.5 volts with nealy 3 amps of collector current. Just supplying the required peak current is going to be a problem. One is bound to lose a few tenths of a volt due to I/R drops and internal resistance of the battery. All this drives the required peak current even higher.

Then there is the problem of getting sufficent base drive. The beta for high collector currents tends to be low. Base current may have to be as high as 100 ma. V_{be} at this current will be high, about 0.8 volts, not leaving much head room to work with.

Now lets look at the equivelent collector impedance we need to match too. Using the formula $V_{cc}^2/v_{cc}/2P_o$, we get 0.5 ohms. To match a 50 ohm load, we need a 100 :1 matching transformer!

The problem gets a little easier if a push pull ampliifer is used, as each transistor only has to pull half that total current, but is still a difficult task.

The final problem is finding a RF power transistor which can handle

2-3 amps of peak collector current. Transistors with this kind of rating will be in the 20 to 40 watt power class.

I was able to get about 250 mw out using a push pull mosfet (2N7000) output stage. Power out drops quickly below 1.5 volts. I doubt that much more power out is possible and was pretty amazed to get that much. (I'm going to have to double check that, I still can't believe it!) If anyone can beat 250 mw, I want to hear from you :-)

It's interesting to note that the low voltage IC's that are coming out are mostly all built around mosfets.

On the other hand, building a receiver with good sensitivity was pretty easy. I whipped up a DC Rx which drives a piezo speaker with a total of six transistors and 4 diodes and has 0.1v sensitivity. All this is on 80 M. Works at full sensitivity down to 1.1 volt. Oh, and it's a power hog. Draws almost 60 ma. Gonna have to work on that!

72,

Steve, KD1JV in the white Mountains of New Hampshire
"melt solder"

Date: Wed, 3 Nov 1999 13:46:07 US/Eastern
From: n2cx@voicenet.com
To: qrp-1@lehigh.edu
Cc: njqrp@njqrp.org
Subject: [55084] Re: 1-V challenge thoughts
Message-ID: <199911031846.NAA178346@nss4.cc.lehigh.edu>

Wow,

Wayne has issued a serious challenge here. On the other hand it does have lots of folks thinking!

In what seems like another lifetime I was part of a team who designed a pocket pager that ran on a single AA NiCd. That's even a worse challenge than the more ordinary 1.5 volt (nominal) alkaline battery. NiCd's start out at only about 1.2V!

Anyway here are a couple of two centses from me:

1. Use magnetics wherever possible. Chokes are great collector loads and don't waste voltage or power as resistors do. And transformers make life easy in giving dc isolation and impedance matching necessary to preserve gain. You can also "play

games" using the voltage stepup properties of transformers and resonant circuits to get votlage swings well above the DC supply voltage.

2. As Wayne said, trade current for voltage. KD1JV worried about a 1.5 volt receiver that drew 60 ma. Thats'n not all that bad. For the same power at 12volts that would be only about 7.5 ma! And if you want more power in a transmitter, parallel a whole bunch of devices!

3. In the pagers we did use IC's. In them we used the inherent balance of devices made on the same chip to aid in biasing but you can hand select components to match them and provide good thermal bonding between the to minimize effects of differential thermal drift. And you can use forward biased diodes for base bias using inductors to provide AC isolation. Many of the IC tricks can be duplicated with discretes if you use your head. Check out some of the low voltage IC manufadturers literature to learn their techniques.

4. I happen to have a small stash of germanium VHF transistors that just may end up being used!

This is gonna be fun!

72/73,

Joe E., N2CX

This message was sent using Voicenet WebMail.
<http://www.voicenet.com/webmail/>

Date: Wed, 3 Nov 1999 14:06:57 -0500
From: "Richard E. Robinson" <rerobins@email.uncc.edu>
To: qrp-l@lehigh.edu
Subject: [55085] ANT: Fiberglass fishing poles
Message-ID: <v03102808b4463772fff0@[152.15.144.71]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

If anyone is looking for the Black Widow or South Bend fishing poles, you may want to try your local Wal-Mart or K-Mart. Our local Wal-Mart carries Black Widows and the K-Mart carries South Bend. I just bought a 13' South Bend SD-13 for \$13.95 and they listed the SD-17, 17' model, for \$14.95. I did not see the 20' models at either store but if you need a shorter one, they appear to be stock items.

72,

Rick kf4ar

Date: 3 Nov 1999 13:08:21 -0500
From: "rohre" <rohre@arlut.utexas.edu>
To: qrp-l@lehigh.edu
Subject: [55086] FW: XCVR: ATlas TX110/RX110
Message-ID: <n1270487974.70031@msmailgw1.arlut.utexas.edu>

From: rohre on Tue, Nov 2, 1999 7:02 PM
Subject: XCVR: ATlas TX110/RX110
To: qrp-l@lehigh.edu

A question on the low power Atlas was posted.

W5KA Austin TX Club has used it SSB Field Day, with high scoring.

Output is turned down on lower bands, and falls off to 2 Watts out SSB on 10M, used with 175 ft. Extended double Zepp and match box. Workked most ARRL sections, and PAC DX! (New Caledonia)

Watch our score in QST FD results. Dec.?
72,
Stuart K5KVH
Austin TX

Date: Wed, 03 Nov 1999 14:42:16 -0500
From: Pete Burbank <plburbank@kih.net>
To: <qrp-l@Lehigh.EDU>
Subject: [55087] Fox for 4 Nov UTC

Message-ID: <3.0.32.19991103144213.006da858@kih.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Gang,
Did I miss the post from WOMC??
Pete NV4V

Date: Wed, 3 Nov 1999 14:07:45 -0600
From: "Dan W. Dooley" <dandooley@pipeline.com>
To: "QRP List 2" <qrp-l@Lehigh.EDU>
Subject: [55088] Sinful
Message-ID: <000a01bf2637\$17a1ce00\$04987b7b@dooleydw>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

OK, the gods will get you if you sin!

Turned on the Drake T-4XB xmtr this morning and against my better judgement and with no long looking, loaded it up to full output of 100 watts. Got into a CW QSO with someone on 15 meters and during that QSO, smoke started curling out the top of the transmitter case.

OK, it turned out to be only a bad diode in the fan control circuitry, but I stand corrected. I see the evil of my ways. It'll be back down to 3 or 4 watts out next time...

Dan W. Dooley - WB5TKA Y2K Complacent
 e-mail to: dandooley@pipeline.com
Si Hoc Legere Scis Nimium Eruditionis Habes

Date: Wed, 03 Nov 1999 13:54:42 MST
From: "Jerry McCollom WOMC" <w0mc@hotmail.com>
To: qrp-l@lehigh.edu
Subject: [55089] FOX: Hunt for fox WOMC tonight!
Message-ID: <19991103205442.25747.qmail@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Hi Folks,

SRI I'm a bit late with the fox notice.....

Come and find me tonight from 0200 to 0400 somewhere around 7042 +/- the QRM. I should be a good challenge given my under-the-eaves doublet and K2. See you tonight!

Jerry
WOMC

Get Your Private, Free Email at <http://www.hotmail.com>

Date: Wed, 3 Nov 1999 13:01:48 -0800
From: "jmb" <jmb@cruzio.com>
To: "QRP-1" <qrp-1@lehigh.edu>
Cc: "Wilford D. Lindsey" <70511.3041@compuserve.com>
Subject: [55090] NT+ Fox -- Now a 2nd-timer this Tuesday Nite PST -- K6JMB - November 5th 0030-0230Z (Thursday 11/4 Local)
Message-ID: <01ef01bf263e\$a54e8e80\$4682e3a5@workstation>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 8bit

Thanks to the good folks who hunted me down last night (Doc-K0EVZ, Dave-KA7OZO, Dan-N7CQR, Alan-KB7MBI). Muchas gracias also to those that tried and missed me. I'm gonna try a little harder this next time.

I'm the NT+ Fox this Thursday the 4th (Local Time) and GMT Friday November 5th 0030-0230Z .

Hopefully this earlier time will be better for both band conditions and those of you east of me who'd like to get a little sleep before work on Friday. I'm one of those retired irresponsible west coast dudes who's finally time rich (we won't even talk about bucks though).

Anyway, I'll be working between 7.110 and 7.115 MHz and up even higher if necessary. Last night, I was so hungry for a bite I migrated as far north as 7.140 I think.

I'll call, "CQ FOX CQ FOX DE K6JMB K6JMB K6JMB K" My CW speed should be around 10-13 WPM.

QTH is Santa Cruz, California. Rig's an Elecraft K2 (Ser # 141), running 5 Watts to a homebrew inverted-V up about 25 feet and strung to trees off my

upstairs deck. I'm surrounded by tall eucalyptus trees and am about 1/8 mile away from the ocean, back behind the Santa Cruz Small Craft Harbor. 36 58' 17'' N, 121 59' 12'' W -- Grid: CM96AX. Maybe that helps you "beamers"...?

My "farm's" got two other antennas: a 200 foot longwire running thru the trees to a Emtech ZM-2 tuner; and an older HyGain Model 18 AVT/WB-S Vertical mounted on my second floor deck rail. If the propagation gods aren't kind to the inverted-V, I may switch to one of these. For last nite's hunt I used just the V.

Watch out, my ears are all cleaned out and now that I have some experience at this - I'm dangerous! ...and hungry to get bagged.

72,
Jim "sly ol'Fox" K6JMB

73 de K6JMB
Jim Boyle
Santa Cruz, California
FISTS #6537 QRP-1 #1845 - real men use microphones for doorstops

I'd rather die LIVING than live DYING...

Date: Wed, 03 Nov 1999 16:16:08 -0500
From: Pete Burbank <plburbank@kih.net>
To: <qrp-1@Lehigh.EDU>
Subject: [55091] Re: Sinful
Message-ID: <3.0.32.19991103161605.006dabb8@kih.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

rcuitry, but I
>stand corrected. I see the evil of my ways. It'll be back down to 3 or 4
>watts out next time...
>
>
>Dan W. Dooley - WB5TKA Y2K Complacent
> e-mail to: dandoooley@pipeline.com
>Si Hoc Legere Scis Nimium Eruditionis Habes

Dan I sure chuckled over "Y2K complacent".
That brings to mind a thought about the list and Archiving.

If we had a "conversation" topic we could still comment, visit etc and the "CONV"(or whatever) topic could easily be filtered and not Archived. End of problem..

73 Pete NV4V KY.

Date: Wed, 3 Nov 1999 16:16:23 -0500
From: "Richard E. Robinson" <rerobins@email.uncc.edu>
To: dandoooley@pipeline.com
Cc: qrp-l@lehigh.edu
Subject: [55092] Re: Sinful
Message-ID: <v03102802b446561635d8@[152.15.144.71]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Dan, WB5TKA, writes;

>I see the evil of my ways. It'll be back down to 3 or 4
>watts out next time...

"Instant karma gonna get you, and put you back in your place" John Lennon

72,

Rick kf4ar

Date: Wed, 3 Nov 1999 16:23:50 -0500
From: "Richard E. Robinson" <rerobins@email.uncc.edu>
To: qrp-l@lehigh.edu
Subject: [55093] XCVR: RS HTX-10
Message-ID: <v03102803b44656fb6bb1@[152.15.144.71]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I just picked an HTX-10 up at lunch today. From calling around, very few of the RS stores in this area got any and only one per store at that. For those not familiar with the HTX-10, it's a 10 meter 25W FM/SSB 10W AM xcvr and sells for \$149, RS P/N 19-1110. It looks like a lot of rig for the money.

Does anyone have any experience with this rig? Anyone have any ideas on cranking it down to QRP levels?

72,

Rick kf4ar

Date: Wed, 3 Nov 1999 14:49:54 -0700
From: "Carl Zmola" <zmola@campbellsci.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>, rerobins@email.uncc.edu
Subject: [55094] Re: XCVR: RS HTX-10
Message-ID: <19991103214838129.AAA313@carl-zmola>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

> I just picked an HTX-10 up at lunch today. From calling around, very few
> of the RS stores in this area got any and only one per store at that. For
> those not familiar with the HTX-10, it's a 10 meter 25W FM/SSB 10W AM xcvr
> and sells for \$149, RS P/N 19-1110. It looks like a lot of rig for the
> money.

Very nice for the price.

> Does anyone have any experience with this rig? Anyone have any ideas on
> cranking it down to QRP levels?

There are no power adjustments other than mic gain and rf gain. So you'll have to open it up.

It is sold under other names at www.bills2way.com for a little more. The design seems to be aimed at CB freebanders, so if you can get a freebander mod sheet, they like to tweek the finals, maybe you can just untweek them.

on 10M, 100' of cheap RG58 should do quite well at attenuating your signal :-) Just have to switch it out for receive hi hi.

Carl
AC7BB

Carl
zmola@campbellsci.com

Date: Wed, 3 Nov 1999 16:44:48 -0500
From: "ai2q" <ai2q@ispchannel.com>
To: "'David Maliniak'" <dmaliniak@penton.com>
Cc: "Low Power Amateur Radio Discussion (E-mail)" <qrp-l@Lehigh.EDU>
Subject: [55095] RE: How could you forget...
Message-ID: <000c01bf2644\$a76f8b00\$5c32a7d0@ai2q.ispchannel.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

You're right David. Is that why I only get a 72? :--)

Much information on 1 V chips and devices can be gleaned from monthly product tabloids such as EE Product News, ECN, and other product trade books such as Electronic Products.

Vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L 687 .-.-.

-----Original Message-----

From: David Maliniak [mailto:dmaliniak@penton.com]
Sent: Wednesday, November 03, 1999 4:20 PM
To: ai2q@ispchannel.com
Subject: How could you forget...

Alex, you said...

"Check out news of these devices in EDN, Electronic Design, Portable Design, EE Times, and other trade rags."

What about us product books!?! How soon we forget. I guess we were in the "other" category. :-)

72 with tongue in cheek...

David N2SMH
Glen Rock, NJ

Date: Wed, 3 Nov 1999 13:50:45 -0800
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)
To: <qrp-1@lehigh.edu>
Subject: [55096] REVIEW: N3FJP Public Domain Sweepstakes Logging Program
Message-ID: <01bf2645\$7bdf64a0\$630a0d0a@doug.dpol.k12.ca.us>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

This will be my first CW Sweeps, and I am going to try for the CW 100 QSO pin. To do so, I am going to take Ron Stark's advice and use a computer logging program. I was just about to spring for CT, when I saw the posting by Scott about his program. It is exactly what I want. See, I want to use my K2 and have control of it during the contest. It is the way that I want to operate. But, I do want to have the convenience of the computer for logging and duping. So, when Scott posted the url, I went to the site and downloaded the software. Boy am I glad I did!! I tried it out at lunch, and it is so user friendly I can't believe it. If you are thinking about using a computer for logging but aren't sure about it, go to the site, download the file, and give it a try.

Here is a copy of the description of the software that is in the program. It is written by Scott and he does a much better job than I would have. Enjoy.

72, Doug

November Sweepstakes Logging Program 2.5
By N3FJP - Scott Davis
118 Glenwood Road
Bel Air MD 21014-5533

snkdavis@aol.com
<http://members.aol.com/snkdavis/page1.html>

Overview:

This November Sweepstakes Logging Program was written for the enjoyment of all amateur radio operators. It requires Windows 95/NT or later versions. The program may be copied and distributed freely.

Primary Features:

This program checks for duplicates (including partials), lists the sections

(which change color when they have been worked), lists all contacts, writes ASCII log, dupe, traditional summary and Cabrillo summary files, and provides many current statistics.

One of the nicest features is that the program allows you to tab automatically without pressing tab or space bar (although you can if you want to). Just type the exchange, and the program will jump from one field to the next automatically. Also, you can set the tab order to begin with either the serial number or the call sign. If you are searching and pouncing, you may prefer to have the call sign as the first field. If you are working a specific frequency, you may wish to switch to the serial number as the first field.

Upgrades from version 2.4 to 2.5 include:

- The additional precedence characters of U, M, and S.
- The ability to write the new ASCII Cabrillo summary/log file format for submission to the ARRL.

I hope you find the program intuitive. Here is a brief summary of the setup, some of the controls and displays:

Setup:

When you download the program, it will be in a zipped file. Download this zipped file to a temporary directory. Then unzip the program. After you unzip the program use Windows Explorer, go to the temporary directory and double-click setup. Setup will then take you through the installation procedure. After the procedure is complete you should be able to click on your start menu and the November Sweepstakes Logging Program will be listed as one of the options.

When you start the program, it will ask you for your sweepstakes exchange, your utc conversion, and whether this is the phone or cw contest.

Menu Bar Commands:

File - New: This will erase all data to begin a new contest. Once the data is gone, it is gone. Make sure you have copied and renamed any log files you may wish to keep.

File - Print: Under this option you can print hard copies of your log, dupe, and summary sheet. You can also write to your program's working directory ASCII text files of these logs. The files will be named ASCIILog.txt, ASCIIDup.txt, ASCIIsum.txt and ASCIICab.txt.

Tab Order - Select either serial number (#) or call sign as the first field.

Setup - Use to change the display of your exchange, utc setting and contest type.

Band - Select current band. Also, a statistics section is available which displays the number of contacts you have made on each band.

Beneath the menu bar you will find:

Recent Contacts - Displays recent contacts. To edit or delete a contact,

click on the Rec#. Edit and delete command buttons will appear. Click the appropriate button.

Data Entry Boxes - where you enter the contact information.

Communications Box - under the Data Entry Boxes is a Communications Box which will alert you to dupes, remind you to log your time on, etc.

Possible Duplicates - This feature is handy because you can use this to see if the station is a dupe or not before you have entered the whole call. It displays any call you have already logged that matches the portion of the call you have entered. The disadvantage is that on slower machines you may notice the program begin to slow down after approximately 500 contacts. To increase the program speed the Possible Duplicates can be turned off.

Log Time On/Off - This button records your on and off times which will be displayed when you print/write your logs (in the old format - the new format as written in ASCII Cab.txt does not require this notation and is determined by the ARRL's check program based on the logged times of contacts).

Remember to log your on time BEFORE logging contacts! If you close the program your off time will automatically be recorded.

Total Operating Time - Your cumulative contest duration time.

Band - Displays the current band you are on.

Score Statistics - Include total contacts, number of sections worked, number of sections to go, total score, average qso's per hour last 20 minutes and average qso's per hour last 60 minutes.

Sections Worked - All sections are continuously displayed. The section color will change from red to blue when you work the section for the first time. Move the mouse over the section abbreviation, and the name of the section is displayed. Also, in the Possible Duplicates Box the total number of times you worked the section and the number of times you worked the section on each band is displayed.

I hope you enjoy this program. If you find the program useful, please send a contribution of \$5.00. Comments and suggestions for future enhancements are welcome and appreciated!

Thanks, 73 and enjoy the program.

Scott,
N3FJP

End of quoted file.

Good luck and see you in the Sweeps with my K2, Doug, KI6DS

Date: Wed, 3 Nov 1999 16:14:35 -0600
From: kreinbd@ccgate.dl.nec.com (David Kreinberg)
To: qrp-1@Lehigh.EDU
Subject: [55097] PS regulation question

Message-ID: <001D32E2.4159@ccgate.dl.nec.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit
Content-Description: cc:Mail note part

Hi Folks,

I have a new TS-570DG and a new Astron 35A power supply. Unfortunately, I'm in a temporary housing situation, so my antenna is less than ideal, but it does work. I am currently using a longwire (about 85' long, 25' up). I have a counterpoise wire connected to a tuner and the rig/ps.

This setup works well QRP. At QRO (50w and above) I notice that the ps voltage goes from a nominal 13.89v to over 14.2 volts. Could this be due to RF feedback in the shack, bad ps regulator, fault in the rig, or all of the above??

I had another 570 and an Astron 20A and even at QRO levels, the ps output never budged from 13.9 volts. Only difference in that setup was the antenna (used a R5 vertical before).

I know, I know, just operate QRP and don't worry about it :-). I do want to make sure the gear is working right before the warranties go out! Any tests I can run to make sure I'm not hurting anything? The same result is seen on a dummy load, btw.

TIA for all ideas. Please respond direct.

73 de Dave, NR3E
QRP-L #25
nr Dallas, TX

Date: Wed, 3 Nov 1999 17:15:16 -0500
From: w2xn@juno.com
To: qrp-l@lehigh.edu
Subject: [55098] Tonite's Foxhunt
Message-ID: <19991103.171620.-759635.0.w2xn@juno.com>
MIME-Version: 1.0
Content-Type: text/plain

Content-Transfer-Encoding: 7bit

Jerry,

Which side of the house is that antenna on ? (North, south, east or west ?)

Fred W2XN
Lakeland, FL
W5YI-VE Skywarn #POL-007 Polk County ARES
AR QRP #233 QRP-L #1728 NJ-QRP #197 ZOMBIE #709
My Web Page: <http://w2xn.homepage.com/>

Jerry wrote:>

>Hi Folks,

>SRI I'm a bit late with the fox notice.....

>Come and find me tonight from 0200 to 0400 somewhere around 7042 +/- the

>QRM. I should be a good challenge given my under-the-eaves doublet and K2.

>See you tonight!

>Jerry

>W0MC

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Date: Wed, 3 Nov 1999 17:20:50 -0500
From: "Dave Benham" <dodgeboy@mindspring.com>
To: <qrp-1@Lehigh.EDU>
Subject: [55099] ANT: G5RV problem solved
Message-ID: <00ff01bf2649\$b0351480\$0ee08ad1@hqa.chrysler.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

A few weeks ago I asked the list about repairing a G5RV where the twin lead had pulled out of the PVC tube which houses a balun. I finally got around

to repairing it and I wanted to thank those who replied for their guidance.

The PVC did actually house a full fledged balun -- coil and all (no glass beads, no simple coax to twin lead connection). What I did was first cut the top of the upper PVC cap off. Then I cut a short piece of 1 1/4" PVC tube and fit it inside the remainder of the original cap, reconnected the twin lead (including pulloff stoppers made out of 2 nylon cable ties fed through a hole in the twin lead insulation), put on a new cap, sealed it and I'm now OK.

I would have done the simple coax to twin lead connection (a la true G5RV design), but the older I get the more I believe in the axiom, "If it ain't broke, don't fix it." OK, this was broken, but it worked fine with the balun design and I decided to put it back to the way it was. Works fine again.

Thanks again.
Dave K8TRF

Date: Wed, 3 Nov 1999 14:27:28 -0800 (PST)
From: Monte Stark <ku7y@dri.edu>
To: Jerry McCollom W0MC <w0mc@hotmail.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [55100] Re: FOX: Hunt for fox W0MC tonight!
Message-ID: <Pine.GS0.4.10.9911031426440.705-100000@rotor.dri.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 3 Nov 1999, Jerry McCollom W0MC wrote:

> Hi Folks,
>
> SRI I'm a bit late with the fox notice.....
>
> Come and find me tonight from 0200 to 0400 somewhere around 7042 +/- the
> QRM. I should be a good challenge given my under-the-eaves doublet and K2.
> See you tonight!
>
> Jerry
> W0MC

Hi Jerry,

Where should I point the yagi?

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@dri.edu....Washoe Lake, Nevada....NRA LIFE....

Date: Wed, 3 Nov 1999 17:25:21 -0500
From: "Dave Benham" <dodgeboy@mindspring.com>
To: <qrp-1@Lehigh.EDU>
Subject: [55101] XCVR: HTX-10 pre-paid, mailed to house?
Message-ID: <010701bf264a\$51933320\$0ee08ad1@hqa.chrysler.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have been following the posts on the new RS HTX-10 rig. Based on remarks read here, it seems as if the supply is limited. When I called my local RS stores (a most detested chore) and gave them the correct part number, they say that I can come into the store, pre-pay for it and they will ship it to my house within a week.

Has anyone done this, and if so, what was your experience? I don't trust anyone who works in the local RS stores and I hate to give them my money for 6 months or something while I wait for them to tell me it's not available. Actually, I'd really like to see one first, but that's another matter.

Thanks.
Dave K8TRF

Date: 3 Nov 99 22:35:06 America/Fort_Wayne
From: M Goins <mgoins@usa.net>
To: qrp-1@Lehigh.EDU
Subject: [55102] wanted - tower followup
Message-ID: <19991103223506.25491.qmail@aw162.netaddress.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: quoted-printable

If nothing happens between now and Monday I will have a 60' US Tower crank-up/tilt-over mast lying in the yard. Thanks to all who e-mailed leads - I found it here in the Houston area. Hopefully I can get a Zepp up before t=

he
weather gets too bad (and a quad up in a few months).

Mike- wb5yjx
OHR 400, OHR 20 Sprint, OHR 100 (40M)
homebrew 1/2 wave vertical @25 feet

Get free email and a permanent address at <http://www.amexmail.com/?A=3D1>

Date: Wed, 3 Nov 1999 16:32:46 -0600
From: "Dan W. Dooley" <dandooley@pipeline.com>
To: <kreinbd@ccgate.dl.nec.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [55103] RE: PS regulation question
Message-ID: <001401bf264b\$5a139a20\$04987b7b@dooleydw>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 8bit

It's gotta be RF feedback related, if the voltage actually goes UP under a load. More realistically it should drop slightly as the load increases. None of the other possibilities you listed should cause that.

How are you measuring it? Is there a built-in meter? You may want to try measuring with an external DVM if you can.

Dan W. Dooley - WB5TKA Y2K Complacent
 e-mail to: <<mailto:dandooley@pipeline.com>>
Si Hoc Legere Scis Nimium Eruditionis Habes

> -----Original Message-----
> From: owner-qrp-1@Lehigh.EDU [<mailto:owner-qrp-1@Lehigh.EDU>] On Behalf Of
> David Kreinberg
> Sent: Wednesday, November 03, 1999 4:15 PM
> To: Low Power Amateur Radio Discussion
> Subject: PS regulation question

>
>
> This setup works well QRP. At QRO (50w and above) I
> notice that the ps voltage goes from a nominal 13.89v
> to over 14.2 volts. Could this be due to RF feedback
> in the shack, bad ps regulator, fault in the rig, or
> all of the above??
>

Date: Wed, 3 Nov 1999 17:37:40 -0500 (EST)
From: Chris Cartwright Sr <ccart@phideaux.com>
To: Dave Benham <dodgeboy@mindspring.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [55104] Re: XCVR: HTX-10 pre-paid, mailed to house?
Message-ID: <Pine.LNX.4.04.9911031735070.21706-100000@dns.phideaux.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 3 Nov 1999, Dave Benham wrote:

> say that I can come into the store, pre-pay for it and they will ship it to
> my house within a week.

I've only ever done it with manuals (\$15-25) but it does really work :)

-- Chris Cartwright, Technical Engineer | ccart@phideaux.com --
-- N3XRV ARRL-VE Norcal Zombie #163 | Gaithersburg, MD FM19je --
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --

Date: Wed, 3 Nov 1999 17:35:28 -0500
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: "INTERNET:rerobins@email.uncc.edu" <rerobins@email.uncc.edu>
Cc: "W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>, QRP-L Discussion Group
<QRP-L@Lehigh.edu>
Subject: [55105] ANT: Fiberglass fishing poles
Message-ID: <199911031737_MC2-8B94-F7A7@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain;
charset=us-ascii
Content-Disposition: inline

Thanks for this post. Let me add that your local Fleet Farm or equivalent store may have the 20' poles, as well. Our store in Rochester, MN, carried them for \$17.95, so I bought a handful before moving to Bismarck.

72,
--Doc Lindsey/K0EVZ
DSBF
PO BOX 6028
Bismarck, ND 58506
K0EVZ@arrl.net

Date: Wed, 03 Nov 1999 22:48:42 GMT
From: k1vp@lawson-philpot.com
To: w2xn@juno.com
Cc: "Low Power Amateur Radio Discussion" <grp-l@Lehigh.EDU>
Subject: [55106] Re: Tonite's Foxhunt
Message-ID: <19991103.22484200@work1.grizzly.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: quoted-printable

>>>>>>>>>>>>>> Original Message <<<<<<<<<<<<<<

On 11/3/99, 5:15:16 PM, w2xn@juno.com wrote regarding Tonite's=20
Foxhunt:

> Jerry,

```
> Which side of the house is that antenna on ? (North, south, east or=20
west
> ?)
```

Thinking of a quick trip to gain an advantage?

Ed Lawson

K1VP=20

Date: Wed, 3 Nov 1999 17:45:12 -0500
From: "w2xn" <w2xn@netzero.net>
To: <qrp-1@lehigh.edu>
Subject: [55107] CW Keyer Mode
Message-ID: <000c01bf264d\$1d102d80\$d11e3004@pavilion>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I read on this list the difference between cw keyer mode A and mode B but
need to find it again. Can someone help me?

Fred W2XN
Lakeland, FL
ARRL, ARES, Skywarn #POL-007, W5YI VE
QRP: AR #233, QRP-L #1728, NJ #197, Zombie #709

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Date: Wed, 03 Nov 1999 14:49:35 -0800
From: Rich Wilkerson <richqrp@home.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [55108] tonites fox
Message-ID: <3820BBFF.A1CFB85A@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello to all. lost the fox info for tonight, could someone please
repost?

--

72's & 73's
Rich Wilkerson, Santee, Ca
WD6FDD

Date: Wed, 03 Nov 1999 16:59:34 -0600
From: "Mike D." <hrg@megsinet.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [55109] RE: CW Keyer Mode
Message-ID: <000001bf264f\$185a34a0\$ed1028d0@urbancom.net>
MIME-version: 1.0
Content-type: text/plain; charset="iso-8859-1"
Content-transfer-encoding: 7bit

Mode A vs mode B in a PDF document at
<http://home.att.net/~jacksonharbor/modeab.pdf>

See my Morse Code Links Page for almost anything code related.

73 de Mike, N9BOR/AE
FISTS NR 4594
<http://www.qsl.net/n9bor>

di dah dit - The only roger beep you'll ever need.
My designated driver is a 12BY7A.
I want to party like it's 1969.
Solid State leaves me cold.

> I read on this list the difference between cw keyer mode A and mode B but
> need to find it again. Can someone help me?
>
> Fred W2XN

Date: Wed, 3 Nov 1999 14:48:29 -0600
From: Clifton W Sikes <ab5uacw@juno.com>
To: prvalko@oakland.edu
Cc: qrp-1@Lehigh.EDU, ratttray@gpfn.sk.ca
Subject: [55110] FOX: Final Log AB5UA
Message-ID: <19991103.144831.6742.5.ab5uacw@juno.com>

Here's the scoop! I worked 87 contacts, which is my best ever. After the clean up, I have 82 valid QSO's. My hat is off to anyone who can pull out 100+ in 2 hours of operating. Thank you all, for putting up with me!

We all owe Paul, W8KC, a HUGE thank you! Thanks Mom!!!!!!

Fox Log for AB5UA 2 Nov. 1999 0100-1300 UTC

TIME	CALL	S	R	SPC	NAME	QRP-L#
0101	N0DT	559	559	MO	DAN	1004
0102	NQ7X	559	559	AZ	FLOYD	343
0104	AF4PS	559	569	FL	MAC	704
0105	N0EA	559	559	MO	WAYNE	1058
0106	W5SB0	559	559	TX	BILL	1279
0106	K0EVZ	559	589	ND	DOC	861
0108	N4S0	559	599	AL	KEN	622
0108	N5TW	559	559	TX	TOM	1474
0110	KK5LD	559	559	TX	DAN	3052
0112	KA5T	559	559	TX	LARRY	89
0114	K5ZTY	559	559	TX	BILL	473
0116	W5VB0	559	559	AZ	BRIAN	404
0117	N1LN	559	599	TX	BRUCE	2049
0119	AB8DF	559	559	MI	ED	1444
0120	W0CH	559	559	MO	DAVE	618
0121	KQ5U	559	559	TX	TERRY	1603
0123	K5JHP	559	459	TX	BILL	825
0125	K5LN	559	559	TX	BILL	1794
0127	N0RN	559	559	CO	BOB	1789
0127	VE5RC	559	559	SK	BRUCE	886
0132	N9KW	559	559	IL	JOHN	1257
0132	K5AAR	559	559	OK	DON	1512
0134	AE4Y	559	559	GA	KENT	1844
0136	W5TFB	559	559	TX	JACK	282
0137	N0EHW	579	579	MO	TIM	2047
0138	K0PC	559	559	MN	PAT	1964
0139	N4ROA	559	559	VA	DAN	970
0140	K5NZ	559	579	TX	MIKE	2018
0141	K1JD	559	559	RI	JOHN	1945
0143	AB7MY	559	599	AZ	GARY	571
0144	N0AR	559	559	MN	SCOTT	1455
0144	K8CV	559	559	MI	WALT	935
0145	WD4MSM	559	559	IN	BARRY	642
0147	WW7Y	559	559	UT	STEVE	94
0148	W0JOE	559	559	MO	JOE	1901
0149	AK7Y	559	559	AZ	GREG	1693
0150	AB7CE	559	599	MT	ROY	1494
0152	KI0G	559	579	CO	BOB	239

0153	WE6W	559	569	CA	ED	1068	
0155	K5VUU		559	559	TX	ED	1343
0156	WS4S	559	579	TN	CONARD		
993							
0157	WB0ROQ	559		559	MO	HARLEY	393
0200	W7ILW		559	559	AZ	HOWARD	2010
0202	N0TU	559	559	CO	STEVE		911
0203	W4UTI		559	549	AL	KARL	1097
0205	KU4AF		559	559	NC	JOHN	987
0206	KU7Y	559	589	NV	RON		17
0207	KI7MN		559	579	AZ	BOB	271
0208	N0RC	559	559	CO	ROD		1764
0210	N5LU	559	559	OK	BILL		2009
0212	AB0GO		559	559	CO	DAVE	785
0212	AE9K	559	599	WI	BRIAN		58
0214	NV4V	559	559	KY	PETE		1721
0215	AI4CW		559	469	AL	DON	1670
0217	KC1FB		559	559	CT	JIM	29
0218	W8KC	559	589	MI	PAUL		59
0219	AB5XQ		559	559	AR	BILL	2051
0221	N1TP	559	579	FL	TOM		1317
0222	N0UR	559	579	MN	JIM		799
0223	WB8RCR	559	449	MI	JOHN		1446
0226	N7RR	559	449	WA	BRUCE		1688
0228	W5HNS		559	569	TX	HENRY	178
0229	WA8GHZ	559		559	TX	JACK	619
0230	AK1P	559	559	CA	PAUL		284
0232	KB9IUA		559	559	IL	KEVIN	384
0234	AE2T	559	579	NY	AL		1664
0235	KD5CMN	559		559	TX	MIKE	1328
0237	NW7DX		559	559	WA	BEN	1892
0238	N6WG	559	559	CA	BOB		26
0239	VE7CQK		559	559	BC	PAUL	20
0241	K8DD	559	559	MI	HANK		246
0242	KK5WL		559	559	TX	GARY	330
0243	N3YSI		559	549	PA	PAUL	1835
0245	KF2PH		559	559	NY	NICK	13
0246	AA2PF		559	559	NY	DAVE	306
0248	WD8KQY	559		559	OH	GARY	446
0251	K1VP	559	559	NH	ED		1960
0253	KB9BVN		559	559	IN	BRIAN	1540
0254	KA3WMJ		559	559	PA	KEN	355
0255	AB0CD		559	559	CO	DICK	483
0258	N4XDW		559	559	AL	JAY	1372
0259	K5OI	559	559	NM	TIM		73

CU on the bands.

Clif AB5UA
Earlsboro, Ok (east of OKC)

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Date: Wed, 3 Nov 1999 23:05:56 +0000 (GMT)
From: Gary Travis Roberts <byrdman@Homer.byrdman.net>
To: Dave Benham <dodgeboy@mindspring.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [55111] Re: XCVR: HTX-10 pre-paid, mailed to house?
Message-ID: <Pine.LNX.4.10.9911032302330.2722-100000@Homer.byrdman.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

They (RS) volunteered to look around and find one for me. They found one
an are having it shipped here. My local Radio Shack had already sold the one
they had (Thanks Carl AC7BB). No money up front and all done over the
phone.

- Gary AB7ZK

On Wed, 3 Nov 1999, Dave Benham wrote:

> I have been following the posts on the new RS HTX-10 rig. Based on remarks
> read here, it seems as if the supply is limited. When I called my local RS
> stores (a most detested chore) and gave them the correct part number, they
> say that I can come into the store, pre-pay for it and they will ship it to
> my house within a week.
>
> Has anyone done this, and if so, what was your experience? I don't trust
> anyone who works in the local RS stores and I hate to give them my money for
> 6 months or something while I wait for them to tell me it's not available.
> Actually, I'd really like to see one first, but that's another matter.
>
> Thanks.
> Dave K8TRF
>

Date: Wed, 3 Nov 1999 18:17:00 EST
From: N10DL@aol.com
To: qrp-1@lehigh.edu
Subject: [55112] RE: FOX tonight
Message-ID: <0.d817e5f9.25521c6c@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

I just hope you can hear my 2 watts all the way out here in New Hampshire. I
WILL be there looking for you....

Aron
Bedford, NH
N10DL/qrp
OHR400 Windom dipole up 45' and R-7 vertical.

Date: Wed, 3 Nov 1999 18:16:42 -0500
From: Stanley A Mcintosh <mcintos@basf-corp.com>
To: qrp-1@Lehigh.EDU
Subject: [55113] FWIW: monovolter project "sidetone"
Message-ID: <8525681E.007F75D7.00@basf-corp-gw01.basf-corp.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>>I have some 2N404's and 2N396's in my junk box. Aren't they germanium?
>>Stew KE4YH
>>Dunedin, Florida

A week or so ago, I threw together a "sidetone oscillator" with germanium
2N404's. The circuit is semi-straight out of DeMaw's QRP notebook (1st edition,
the second edition was UPstairs at the time). The circuit only required some
minor accomodations for using a pair of PNP bipolars instead of NPN.

The original intent was to provide a driver for a DC-DC converter... use the
two-transistor multivibrator to drive a pair of pass transistors, with each
connected to one lead of a center-tapped transformer. Then, feed 1.5 V+ or
ground to the center-tap, depending on transistor orientation, and draw
stepped-up voltage from the secondary. Voltage-double and rectify as-needed.

Why did I construct it? Well, my low-power HT battery has died, and charging
the "qro" pack requires just a couple of volts above that of the 12-14V supplies
around the house. I was planning to use a small arrangement of just a couple of
solar cells to trickle-charge the pack during the daylight hours. The concept
works, although I haven't performed a full current evaluation, yet.

I *briefly* entertained the idea of adding another step-up transformer after the first to get 100-1000 volts out. This idea went out of my head after an hour or so of mental excitement, but it came in response to yet another squirrel raid on the birdfeeder. Given the current source, and the logistics of capacitors to fit on top of the birdfeeder, the squirrel probably wouldn't get more than the effect of scampering across mid-1970's era shag carpet in winter and touching a doorknob. Okay, maybe the squirrel would get that plus some, depending on capacitor size and volume. Anyway, that idea is out of my head now, so you can call off the SPCA dogs.

Over lunch, I checked le boxe du junque (No. 2), and found a board with 22 of these little boogers. These must have been the commodity transistor of the day. But, wait, a concept is almost coming to mind... have a building contest, no IC's, 22 transistors, make 'em fairly common ... Nah, probably been done before.

Here's a big question, though: is it possible to resist trying one of these as a regen detector tonight. With high-impedance phones, we're not talking about a lot of time invested in the effort, since an audio amp could wait until afterwards. Hey, it'll either work or not. For those of you that might scavenge 2N404's etc. from old boards, bear in mind that, according to Elmer folklore, Germanium transistors are more thermally-delicate than silicon transistors. Somewhere else I read that recycling germanium transistors from old boards is tricky to do without damaging them. So far, though, I have a 6-0 success/fail rate for removing still-functional transistors.

72
stan
kd4bth

Date: Wed, 03 Nov 1999 17:27:39 -0600
From: Bob Liesenfeld <wb0poq@visi.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [55114] Re: XCVR: HTX-10 pre-paid, mailed to house?
Message-ID: <3820C4EB.3F3E530B@visi.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Dave Benham wrote:

>
> I have been following the posts on the new RS HTX-10 rig. Based on remarks
> read here, it seems as if the supply is limited. When I called my local RS
> stores (a most detested chore) and gave them the correct part number, they
> say that I can come into the store, pre-pay for it and they will ship it to
> my house within a week.
>
> Has anyone done this, and if so, what was your experience? I don't trust
> anyone who works in the local RS stores and I hate to give them my money for
> 6 months or something while I wait for them to tell me it's not available.

Well, I have ordered parts like this from RS and have always had them arrive promptly.

72 Bob

--

Genuine E-mail From the Land of the Everlasting Icicle...
Bob Liesenfeld
wb0poq@visi.com

Date: Wed, 3 Nov 1999 18:33:38 -0500
From: Nils R Young <nilsbull@juno.com>
To: QRP-L@lehigh.edu
Subject: [55115] NILS: Hey, I'm an action figure!
Message-ID: <19991103.183345.-940149.1.nilsbull@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Gang,

I found out that I'm a topic tag. Yeah, like my name is a topic tag so you can hit the delete button quick & avoid having my brain spill out into yours via this electronical magical modium stuff.

This is really gonna mess up my relocation with the witness protection program. Somebody's gonna come up to me some day & say "Tag! You're it!"

But at least my K2 is fully functional, 160m-through-10m, SSB, CW & remote antoona tenna with nose blinker.

73

Nils

Nils R. Bull Young -- El Gringo Errante -- La Estancia de los Guajolotes

Sonrientes

<http://home.fiberia.com/wb8ijn> -- WB8IJN --

<http://members.xoom.com/nilsbull>

"In my day you had to FIGHT to have oligarchs! Every day was a STRUGGLE!

-- Comrade Sergei Nikolaevich McTovarishov --

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End of QRP-L Digest 1628
